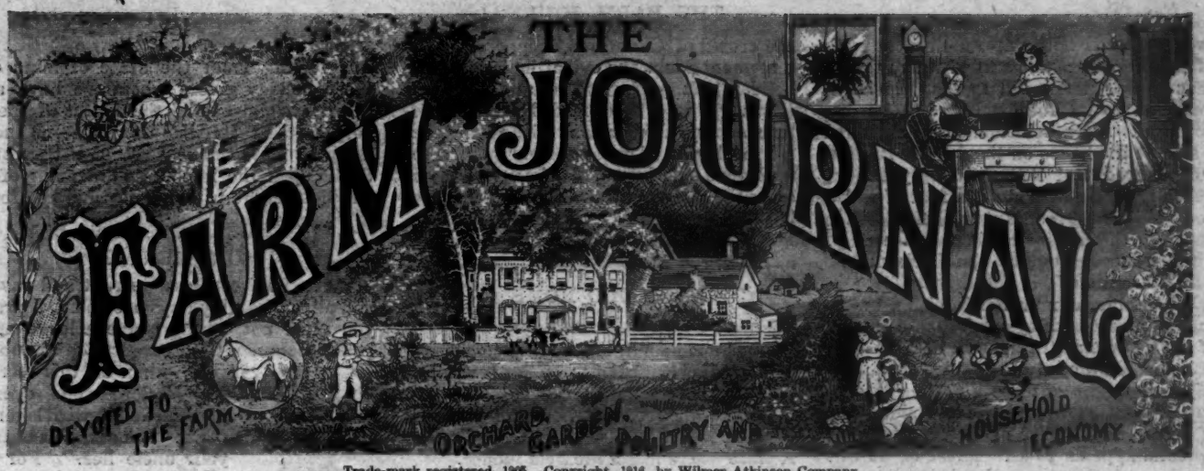


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Price, Five Cents *Practical not Fancy Farming* Fortieth Year

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1916 DECEMBER 1916

| Su. | Mo. | Tu. | We. | Th. | Fr. | Sa. |
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| 24 31 | 25 | 26 | 27 | 28 | 29 | 30 |

## OUR BUSINESS METHOD

THE FARM JOURNAL gives no chromos, puffs no swindles, inserts no humbug advertisements, and does not devote one-half its space to telling how good the other half is. It is furnished to single subscribers 5 years for $1, and 10 years for $1.50; to subscribers in Philadelphia, Canada, and foreign countries (except Mexico and Cuba) 5 years for $1.50, as we must pay extra postage. Its motto: No partisan politics, but farmers at the first table, no truce to monopoly, and fair play to all men.

## FAIR PLAY

We believe, through careful inquiry, that all the advertisements in this paper are signed by trustworthy persons, and to prove our faith by works, we will make good to actual subscribers any loss sustained by trusting advertisers who prove to be deliberate swindlers. Rogues shall not ply their trade at the expense of our subscribers who are our friends, through the medium of these columns; but we shall not attempt to adjust trifling disputes between subscribers and honorable business men who advertise, nor pay the debts of honest bankrupts. This offer holds good one month after the transaction causing the complaint; that is, we must have notice within that time. Medical advertisements positively refused. In all cases in writing to advertisers say, "I saw your advertisement in THE FARM JOURNAL."

*Good-bye, Old Year! You pass before our gaze*
*Through the dim portal of eternal days,*
*Where Time forgets the erring ways of men*
*And gives new strength for every task again.*
*Farewell, old friend; we've done our very best,*
*Of that we're sure, with you we leave the rest;*
*Our thoughts will linger with you all the while,*
*Though greeting your successor with a smile!* HUBERT J. DANCE.

A Merry Christmas to you, dear FARM JOURNAL folks, every one!

The United States can act the part of the "big brother" either by bullying its weaker neighbors or by protecting them. Most people in this country prefer the latter course.

The year grows old, but it is the old that we love best.

Tim says that everybody steers clear of the person with a barbed-wire fence disposition.

"Poor Richard Almanac" is out—the eighth year. It is a good one and you ought to have it. Renew and you get it.

## REWARD OF GENIUS

BY MARY E. STEELE

About the smartest man who lives
In our bright town—
A man with deep, intellectual eyes
And head brimful of native wit,
With forehead high and pensive look—
Concluded that for shekels, he,
And wide renown,
Would write a book.

His little wife sat meekly by,
To sew or knit,
And watch the yarn as it evolved
The same old love all writers spin;
Or tiptoed past, lest she might break
The magic spell and spoil the plot.
For proud was she—that little wife—
With him and it
In every thought.

The story done, they sent it off
With much éclat
To some wise mogul in the East
Who edits things and buys them, too;
And then in course of time they watched
Incoming mails for check in lieu.
And while they watched and dreamed of wealth
It came—but pshaw!—
The manuscript, we mean, came back
—with postage due.

These blustery nights make a fellow think of the new seed catalogues. Good reading! Get several of them from reliable houses, and have everything all ready when the frost goes out.

If you buy or sell a farm about tax-time, don't forget to have it settled who shall pay the back taxes. That sometimes makes a lot of unpleasantness if not attended to at the right time.

Some men with big bank accounts and barns and bins full of the products of rich farms, haven't kinder hearts than our friend Peter Tumbledown, nor would they do more to help out a friend in an emergency. Peter often sits up all night with a sick neighbor.

Our Fair Play notice is for you. Note that in order not to run the risk of having some reader buncoed, we do not insert any advertisement of the following type: Medical, liquor, tobacco, promoting, speculative, real estate, plantation, mining, guessing contests, produce commission merchant, agents wanted by subscription book publishers. This does not mean that all persons in the businesses named are not honest; but some of them are not, and for Fair Play's sake we will take no risk.

## HIGH FARMING AT ELMWOOD

BY JACOB BIGGLE

No. 442

It was Wordsworth who wrote:

"The World is too much with us; late and soon,
Getting and spending, we lay waste our powers."

I was reminded of these words a little while since when I was called upon to settle the affairs of a deceased relative. She was ninety when she died, and having a sweet disposition she had many friends throughout her long and sunny life. On her birthday, at Christmas, and on other occasions, her friends sent her reminders of their love, including the inevitable post-card. I found that she had carefully preserved these mementoes, some of them for sixty or seventy years, and I do not exaggerate when I state that two bushel baskets would scarcely hold the accumulated hoard.

Long before I was through with the disposal of the property, I felt like organizing a society for the suppression of useless things. I am quite certain that half the garrets and wagon-house lofts in this neighborhood are cluttered with things that were not needed in the first place, and which have long since outlived what usefulness they ever possessed; but so ingrained is the habit of hoarding that it is almost impossible to persuade men and women to give up their impedimenta. I once knew a county-town merchant who had a weakness for attending sales at auction houses and buying odds and ends of

dry-goods and notions. Finally, the attic of his store became so filled with rubbish that he was persuaded to send the accumulation to an auction house to be disposed of. By a coincidence he attended a sale at the house on the day his rubbish was offered, and he unwittingly bought liberally of his own stuff, a fact of which he was blissfully ignorant until his clerks in handling the invoice made the discovery. Though discomfited by the disclosure he was not cured of his habit.

We cumber our premises with a multitude of useless things and then complain of the complexity of modern life. If some of us could step into the cabins of pioneer days we might get some needed lessons on the comfort to be had from simplicity of living, and better understand why the Colonial appeals to us. Those of us who have reached or passed middle life can recall when a contraption known as a "what-not" was considered an essential part of the furnishing of every parlor. The several shelves were filled with all sorts of knickknacks in constant need of dusting and in constant danger of destruction. Almost, if not contemporary with the what-not, was the "tidy" for ornamenting chair backs. When one sat on a chair thus embellished the tidy was soon screwed into a rumpled wad, if it did not come off altogether, to the discomfiture of the sitter, if he happened to be a visitor. The what-not and the tidy have been succeeded by the ornamentation known in our section as the plate rack, a device quite as capable of catching dust as the what-not.

The man of the house is not less culpable than his wife in accumulating the useless, as may be readily proved by a glance into the wagon-house loft. What a jumble of useless things is there disclosed; enough to make a respectable auction if the things had any real value. Worn-out and out-of-date tools, odd straps and ropes, and as the sale bills say, "many other things too tedious to mention," with perhaps in the background a few machines sold us by a slick-tongued agent who "stung" us. Almost the only man in our neighborhood who can boast that he has no useless rubbish, is a neighbor who has moved twenty times in nineteen years, and who must of necessity go in light marching order. Most persons will agree that in his case the remedy is worse than the disease.

For several weeks now Harriet has been engaged in preparations for Christmas. She has very strong convictions about useless giving, and she follows out her convictions with little deviation. In her judgment a vast deal of money is wasted at every Christmas season in the exchange of presents that are neither useful, pretty nor lasting. As I write these words I have in the back of my mind an impression that I have inveighed in this strain before. If so it will do no harm to repeat it. None who has seen the frantic excitement and desperate expression of the crowd of Christmas shoppers can for a moment doubt the evil of indiscriminate holiday gift giving. The ancient jokes about giving a bald-headed man a hairbrush, and making a man with false teeth a liberal gift of molasses candy, are not a particle overdrawn. Judicious giving is an art if not an inspiration, and Harriet has this gift in a superlative degree. She makes few mistakes because she goes at the problem in a systematic manner. Many of her beneficiaries are neighborhood folk whose resources are slender and whose needs are many. Harriet intuitively knows how to approach them without wounding their feelings, and at every Christmas season she experiences to the full the great truth that it is more blessed to give than to receive. How different is this feeling from the state of mind of those holiday givers whom we have all heard exclaim out of the depths of their perplexities: "I wish there was no such thing as Christmas!" What a travesty this is upon the import and meaning of a day that ought to bring joy and comfort to every soul.

## THE OLD HOME

BY HELEN M. RICHARDSON

It stood upon a hill, bathed in the gold
Of flickering sunbeams; quaint it was and old,
O'errun with woodbine, home for bird and bee,
A place where insect life held jubilee.
On either side a stone wall wandered down
In broken sections till it reached the town;
And raspberry bushes, brave in red attire,
Lent to its gray the beauty of their fire.

Meadows green carpeted where wild flowers grew,
Daisies and buttercups and violets blue,
With now and then a rock, like some gray shrine,
O'erclambered by the scarlet columbine.
A brook meandered through a wood-lot where
Tall pines and hemlocks reared themselves in air,
And where the first shy blossoms of the spring
Allured the feet to aimless wandering.

O childhood's home, in dreams I see you still!
The quaint old cottage on the sun-bathed hill,
The walls, the meadow, brook and woodland—all
Enter my dreams and hold me still in thrall.
We live, we love, we suffer, we attain,
Yet never tread the same path back again;
'Tis ours but once that care-free life to know
That claimed us children in the long ago.

## MONUMENTAL

When I have ceased to rant and rave, and all my earthly days are spent, I pray you place not on my grave a large and gaudy monument. All ostentation's doubly vain, when on this world we've closed our eyes; give me a slab, with legend plain: "Beneath this board your uncle lies." For if I've cut some grass on earth, I'll need no marble to proclaim the story of my sterling worth, or to perpetuate my fame. And if I am a false alarm, not worth the room I occupy, no towering shaft can add a charm to my bum record, when I die. How foolish look the gents who sleep beneath all kinds of sculptured rocks, who were considered passing cheap, before we placed each in his box. How foolish is all such parade, such pomp amid the graveyard gorse! A hundred-dollar saddle laid upon a fifteen-dollar horse! When I have jumped this mundane realm, and journeyed o'er the silent sea, a three-foot slab of slippery elm is plenty good enough for me. WALT MASON.

[Copyright by The George Matthew Adams Service.]

## OBSERVATIONS

BY OBSERVANT ANN

If dirt is a sign of health some people will live to a good old age.

Electric lights are a fine thing, but a baby in the home will brighten it far better.

If you answer a letter when you are angry you're bound to be sorry. Take time to cool off.

Don't live beyond your means. You'll feel better in a cotton dress that is paid for than in a silk whose price is staring you in the face.

Some people will pay more than a thing is worth simply because their merchant has advertised a sale, and that spells a bargain to them.

The man who has a hobby and puts his spare time on it, is the one who will live the longest and get the most out of life.

It isn't always the most brilliant pupil who makes the most of his life. Lots of young men who have gone through college would be flat if they didn't have access to father's pocketbook.

Did you ever think what good wives and mothers some bachelor girls would have made? And the mystery is why girls of that type are passed by, and why so many vain, shallow ones, with not one idea of homemaking in their frivolous little heads, are chosen instead.

One of the timeliest, most appreciated and permanent Christmas gifts is a five-year subscription to The Farm Journal. It has solved many a knotty Christmas problem. If you subscribe for some relative or friend in the country, the gift comes from you with sixty messages of good will, real helpfulness and sunshine. If you send it to some city friend, who is longing for the open country, every copy for the next five years will be an inspiration and pleasure. It is for everybody. $1 for five years.

*A "Poor Richard Revived" 1917 Almanac to you, and one to the new subscriber, too; but be sure to ask for them when sending subscription, that we may know your wishes and not overlook them.*

## DAIRY AND STOCK

The mule market shows no probability of being overstocked.

A cow was sold at public sale recently for $6,150. What would our grandfathers have thought of that?

Hog products are so high that they are out of the reach of many people. Consider sausage at twenty-five cents a pound!

The cow is looking up since the dairymen began their strike for a living profit. But let the farmer look out for another boost in the price of feed.

Several hundred thousand horses have been shipped from this country to Europe for war purposes, and already the bones of most of them are bleaching "somewhere in France."

Tailors are giving notice to their customers of an imminent famine in wool, but a good many folks still seem to consider a "yaller" dog of more consequence than a flock of sheep.

### HORSE TALK

BY TIM

Give the colt industry a boost, and incidentally boost yourself a bit.

Many a man has become bankrupt by thinking he could make his fortune in horses, when as a matter of fact there was no horse in him. To succeed with horses a man must love horses, he must have a lot of horse sense and he must be willing to study and learn.

Something wrong when a horse eats his own bedding. Leave out the straw and use sawdust or some such thing; then correct the ration. Give a better, all-round line of feed.

Yelling or otherwise abusing a horse will make him sweat worse than a hard day's work. Wears him out, and you, too. Quit it.

When a horse won't eat just after coming in from a day's work, you have stuck to your job too long. Doesn't pay you nor the horse, either.

An old horse was braced up and made thrifty by soaking cut hay in diluted molasses. Soak in a tight box from one feeding to the next.

Horses that have been fed highly on grain for a long time, and begin to run down, can and have been toned up by the molasses and hay treatment.

Horse breeders may well take courage by what has been going on in the world for the past year or two.

Horse men say that they can't get horses enough. Every farmer may put in an extra lick in this business.

When the great need is for heavy horses, it is like barking up the wrong tree to breed ponies. Watch your market.

### BRISTLES

BY GEORGE

The colder the weather the more it costs to make pork. Hustle the hogs along and save expense.

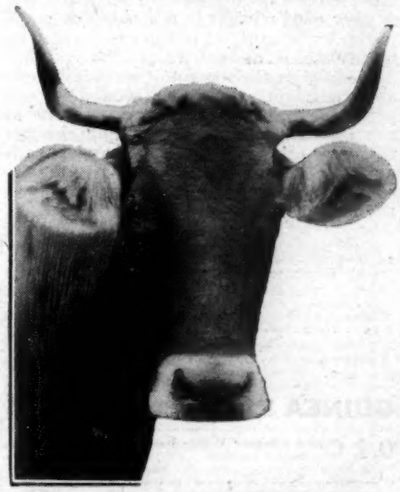
Cold floors can not be covered deep enough with straw to make the hog comfortable. He is a great rooter and will get clear down to the bottom of his straw bed. So cement or stone floors are not so good as plank.

Every drop of skimmed milk you give to the hogs they turn into good, sweet meat.

Old-fashioned hog-pens had altogether too much light on one side, being all open to the weather. Then they went to the other extreme and were shut up, close and dark. Windows are just as good for the hog's health and comfort as they are for yours and mine. Money spent for window-glass for hog houses is money well invested. Just watch the porkers as they lie where the sunshine comes in good and warm. Then is when they are putting on fat.

A bit of ensilage is relished by the best of hogs, and there is meat in it.

Hogs fed on corn-meal, with linseed-meal, middlings or soy-bean meal, will not



*A Good Type of Brown Swiss Cow*

take so much feed and turn it into fat, as they will if fed on corn-meal and skimmed milk.

Wood-ashes and bone-meal double the strength of the hog's bones. They also save in the amount of other feed needed.

Buttermilk runs a close race with skimmed milk as a pork grower.

One great trouble with the hog business of this country is that it has been looked upon as a side show. Let's bring it over into the big tent; then it will mean more to us.

Soaking corn ten or twelve hours beats grinding. Lots cheaper, too.

### FEMININE DAIRY WISDOM

BY DOROTHY TUCKER

Battens are cheaper than cracks, and cows get a lot more comfort out of them.

Windows so clouded with cobwebs that you can't see through them do not let in a great deal of light. Sweep 'em down.

Put the ventilating shafts in rig; winter is here.

A bit more elbow-grease these days on the cans, pans, and so forth. The "and so forth" may be almost anything in the line of tinware that is used in the dairy, especially the strainer.

Marketing dust and other stuff that is apt to get on the cows' flanks after they go into the stable isn't very profitable business—nor healthful either, particularly if the milk inspector gets after a fellow. A few minutes with the brush pays lots better.

Let the other fellow do the shouting at his cows, and see to it that he shouts somewhere else than in your barn at milking-time.

Stand by the cows and they will stand by you.

A four-legged milking-stool beats one with one leg, four to one. If any of the women folks help about the milking, make them a long stool with four legs and a place to hold the pail. It is never safe or neat to let the pail rest on the floor.

It will be some time before anybody makes a churn that will beat the good old barrel churn.

By the time the creamery man gets his slice out of the milk profits, the railroad another slice, the commission man still another and the retail dealer his, the slice that is left for the man who ought to have the biggest slice of all is pretty thin.

### MUTTON CHOPS

(BOTH RARE AND WELL DONE)

To get a good growth of wool, we must feed liberally. Narrow feeding, narrow margins of profit.

If fed properly, a sheep ought to gain from one-quarter to one-half pound in weight every day.

It is no joke to say that there is more clean money in a pure-bred sheep than in a scrub. The why and the wherefore are not half so important to know as the actual fact.

Exercise is important with the ewes and the coming lamb crop.

Exercise can be encouraged on fine days by putting feed at some distance from the sheep quarters.

Castrate all inferior or grade buck lambs early.

Fine wool is more scarce right now than it has been in years. It may be more so a year from now. Stands us all in hand to do what we can to meet the demand.

A narrow doorway or gateway is a menace to sheep that must be driven through it. Let all gates be wide.

An eighty-pound lamb is big enough for market.

If any weeding is to be done, you do it. Don't let the meat man take his pick and leave you with the culls on hand.

See to it that you have the pay as soon as the meat man has the sheep or lambs. He gets his pay down-town the moment the goods are delivered. He should not ask you to wait. Many have done that and are waiting yet.

### NOTES AND QUERIES

*About this time the merchant takes account of his stock. Farmers should follow this example. Many would be surprised to find how much their live stock had grown in value; the revelation would put a new face on the business.*

The man who keeps cows is well fixed for raising hogs.

Different horses require different kinds of foods, the same as different people; study each horse and see what kinds of food he does best on.

Sheep are not scarce everywhere. Montana, for instance, has more of these money-makers than all the Dominion of Canada, and she claims 2,040,000.

Dr. Smith, of the University of Pennsylvania, has expressed a great thought. He says: "Breed the college flock to a standard and sell the rams to farmers at auction."

It is a lot better and cheaper to feed and care for stock so that they will be in good health, than to pay a doctor to get them back to the standard after they once get down.

One of the worst things any man can do is to take an old, worn-out, ringboned, spavined mare and set her to growing

colts. She can not give you a sound colt to save her life. Lots of men have tried it, and always to their disappointment.

Soy-beans were planted in every second row of silage corn and received the cultivation the corn got. When the corn was cut some of the beans were overlooked and a few were dropped. Later on the cows gleaned the field, and the increase of milk was noticeable while the soys lasted.

Every stock owner ought carefully to consider, after passing through the pinching winter of high-price grain, whether he can afford to do without an alfalfa field. Remember that alfalfa, clover, soy-beans, and their kindred, provide protein cheaply and make both the farm and its owner richer.

On the farm of the Pennsylvania State College, a corral surrounded by a dog-proof fence is provided. This fence is five feet high, and is constructed of woven wire and has a barbed wire at the base, two inches off the ground. Two barbed wires also are stapled at the top; the first, four inches above the woven wire; and, the second, eight inches above the first. Thus a fence about six and one-half feet high is provided.

There is a secret in buying mules, using them profitably and selling them. A large concern in the corn belt that uses some 200, makes a rule to buy young animals only. These are worked four years, then sold before their commercial value has declined. Mules bought at four years old may be worked steadily until seven or eight, and sold usually for the price paid for them or a little larger sum, if by careful usage no accident has befallen them.

Get the full set, ten in number, of the celebrated Biggle Books and study them this winter in your leisure hours. Then you will emerge next spring a well-informed man on all things related to the farm. The entire set is yours for a five-dollar bill, or the books can be had separately for 50 cents each, postpaid. Send for circular describing this unique and useful library. Read it over and fire in your order. These books are attractive for Christmas presents.

"Fall calves are more profitable than spring calves from the standpoint of milk production," suggests Prof. C. Larsen, of the South Dakota State College; "because butter fat in the fall and winter is worth about a third more than in the spring and summer; because the fall cows will give about twenty per cent. more milk with good care; because fall calves are the more easily raised; and because the labor proposition in the fall and winter is less troublesome than in spring and summer."

It sometimes becomes necessary in handling young calves to throw them. In such cases care should be used not to injure them and also to do it in the easiest way. Step to right side of calf, reach over the back at the shoulder with right hand and catch hold of under part of neck, just in front of breast. With the left hand catch hold of skin just in front of hind leg on the same side. Now lift the calf up, swinging its legs out from under it and away from you, letting it fall on the side. This can be accomplished with little exertion on your part and with very little struggling of the calf.

I talked with a number of Bradford county farmers regarding the taking of sheep, but found no one willing to embark in this enterprise, because, as they said in every instance, "We know the dogs will destroy our sheep." Several farmers told me they had in years past raised more or less sheep; that they found them quite profitable until dogs came. They said the value of the sheep actually killed by dogs is but a part of the loss sustained, "in our opinion not exceeding one-quarter." Without dogs or with less dogs, Pennsylvania, to my mind, can be made one of the greatest sheep-raising states of the Union, and it is up to those interested in this matter to help this office to get rid of dogs.

JOSEPH KALBFUS,
Secretary, Game Commission.

Every live-stock grower should have in his stables a medicine chest containing some of the simple remedies for the common ailments of his animals, advises Dr. Irl D. Wilson, of the Department of Animal Husbandry, at the Pennsylvania State College. A dry dusting powder for the treatment of wounds is one of the most important articles for such a chest. A very good powder is composed of equal parts, by weight, of powdered boric acid, wood charcoal and dried alum. This powder dusted on an open wound twice daily acts as an antiseptic, keeps the wound dry and promotes healing. It is as effective as any powder on the market, and cheaper than any other. Six ounces may be made at a cost of ten cents. Twenty-five to fifty cents is not an unusual price for many of the patent powders on the market.

On this page are advertisements of cattle, guinea pigs, calf meal, feed cooker, hogs, separator, milking machine.

*ADVERTISEMENTS*

*When you write to an advertiser tell him that you saw his card in The Farm Journal. It is to your interest to do so.*

JERSEY Cattle, Chester White Pigs, Lincoln Sheep. Write for circular. Edw. Walter, Dept. F, West Chester, Chester Co., Pa.

**GUINEA PIGS** are money-makers. Illus. cir. free. G.R.Palmateer, Troy, N.Y.

**O. I. C.** and Chester White Boars. Bred gilts. Young stock a specialty. No kin. Prolific large kind. Write for prices and circulars. F. Ruebush, Scioto, Illinois.

***"Selecting and Developing the Jersey Herd"***

is the title of an interesting booklet by Prof. Hugh G. Van Pelt. Describes the five essentials of a successful dairy cow. Explains how to develop the milk producing qualities and increase the vigor of the heifer calf. Write for this booklet today. It's free.

**The American Jersey Cattle Club**
326 West 23d Street New York City

*"Good to the Last Drop"*

***Raise Your Calves on***

**Blatchford's Calf Meal**

***and Sell the Milk***

More calves have been raised on Blatchford's Calf Meal than on all other milk substitutes combined.

100 lbs. makes 100 gallons of milk substitute, costing only one-third as much as milk.

Prevents scouring and insures the early maturity of sleek, handsome calves.

It is steam-cooked and no trouble to prepare or use.

**Write for Pamphlet** "How to Raise Calves Cheaply and Successfully with Little or No Milk." At dealers, or Blatchford Calf Meal Factory, Dept. 1, Waukegan, Ill.

**5300 GUERNSEY COWS**

have average yearly records of over 8000 lbs. milk testing about 5% butter fat. Write for FREE booklets.
GUERNSEY CLUB, Box F, PETERBORO, N. H.

**SAVES FEED - MORE MILK AND MEAT**

Cooked feed means bigger profits from your horses, cattle, hogs, sheep and poultry. The feed tastes better, is more digestible, bigger in bulk and more nourishing.

**"FARMER'S FAVORITE" Feed Cooker and Boiler**

Take the chill off water in winter and feed cooked vegetables and grain. Use it to boil sap, render lard, sterilize milk cans, boil spraying mixtures, etc. Will boil four bushels of potatoes in ten minutes. Cooks quickly. Little fuel—coke in chunks. 25 to 100 gal. capacity—six sizes. Set up anywhere. Guaranteed everywhere. Interesting, convincing CIRCULARS FREE.

LEWIS MFG. CO., 71-85 Owego St., Cortland, N. Y.

**Raise Chester Whites Like This**

**the original big producers**

I HAVE started thousands of breeders on the road to success. I can help you. I want to place one hog from my great herd in every community where I am not already represented by these fine early developers—ready for market at six months old. Write for my plan—"More Money from Hogs."

G. S. BENJAMIN, R. F. D. 35, Portland, Michigan

**GET YOUR DE LAVAL NOW**

IF you are selling cream or making butter, and have no separator, or are using an inferior or half worn-out machine, you are wasting cream every day you delay the purchase of a De Laval.

You can't afford to wait until next spring. It means too much loss. Let the De Laval start saving cream for you right now, and it will soon pay for itself.

See the nearest De Laval agent right away and let him show you what the De Laval will do for you. If you do not know the De Laval agent, write direct for any desired information.

**The De Laval Separator Co.**

165 Broadway NEW YORK
29 E. Madison St. CHICAGO

"Success for 8 Years"

**You can't afford to accept a milker that has done less than HINMAN MILKERS**

Milked 140,000,000 cows the last eight years. Milks valuable registered cows throughout this country and the world. Over 22,000 sold—more than all other milking machines combined. So simple that a boy can milk eighteen to twenty-five cows an hour. This simplicity also means low first cost and low upkeep cost.

No complicated pulsating mechanism—no air pipe lines—no vacuum tanks.

Simple combination of pump, vacuum in valve chamber and natural action teat cups—no upward squeeze.

*Write for Big FREE Catalog if you milk ten cows or more.*

**HINMAN MILKING MACHINE CO., 66-76 Elizabeth St., Oneida, N. Y.**

*SERVICE DEALERS EVERYWHERE. WRITE FOR NAME OF ONE NEAR YOU.*

HINMAN The U-I Valve Chamber MILKER

## THE SCALE IS THE FOOT-RULE OF STOCK RAISING

BY BRUCE DOUGLAS

*Be Sure You're Right, Then Go Ahead*

SOMETHING like ten years ago we put in our platform scale. After we had had it for a short time we were only sorry we had been without it so long. There is a pleasure in dealing with certainties. I do not believe with the Psalmist, in his haste, "that all men are liars." Neither do I believe that all men are dishonest. The laws are not for those who obey, but for those who have not been educated up to the point of obedience. Scales make for honesty. "To err is human," and we often err when such a thing never once entered the mind.

It is one thing to say that it is a ton or that an animal weighs 100 pounds. You may say so and then proceed to check your weight. It may be right, it may not. The scale will tell you. Definiteness gives a man poise. Resolving to be accurate resolves itself into dollars and cents, and that is the acid test to-day! How much is there in it for me? asks the man you want to hire.

The successful farmer, as well as the successful man in other business, is first of all methodical. He has a system worked out that he follows, even though you may not know it. The Babcock tester has helped him weed out the cows that are not 100 per cent. efficient. The weighing of milk has stopped leaks, and the man who works with these things and is all the time studying, begins to do a little experimenting in feeding. And in doing so he comes to know about "balanced rations." To feed these he needs to get the right proportions, and here a reliable scale comes in. Or the man may have a poor field. He gets the soil tested and the analysis reveals its needs, in order to grow a certain crop. He needs a scale to get the right proportions of the elements in the fertilizer that are required. If he has a scale, he can feed certain animals certain kinds of feeds, and weighing before and at the end of the experiment see if they have gained or lost weight.

My scale is large enough for all kinds of weighing. The pit was made of brick, but concrete does well. The scale was located handy to the various buildings, in a spot that was high and dry. Care was taken to have the foundation level and firm. The approaches were plank. At its installation it was so delicately adjusted that a silver dollar thrown on the platform affected the weighing beam. It has never cost a cent for repairs.

Ten years is a long, long time and many changes and improvements have come, and with it a pitless platform scale. All that is necessary is to place the scale on firm ground and supply inclined approaches and it is ready.

### THE ONLY SCALE TO BUY

A worthless scale is worse than none. Unless you can accurately weigh and know you are right, better not weigh at all. That means to get a reliable scale, well made and finely adjusted so that it will stay in repair. Most scales will weigh pretty well at first, but unless they are made to last they lose their accuracy and are a snare and delusion to their owner. A farm scale is subjected to hard wear and tear in the natural run of affairs, and it must be built to stand hard knocks. Now we don't know any more about a scale than we do about a diamond, because it isn't in our line. So the only way to do when we want to buy, is to go to a firm with a reputation and character, and depend upon them and let them put it in. They have made a specialty of scales just as you have of certain farm lines, and know how. A firm stakes its reputation on the character of its goods. A reliable firm will not betray your trust, for it knows that a pleased customer is the best advertisement. [We might add to the above sentence that there is a double guarantee of satisfaction to those who buy scales advertised in THE FARM JOURNAL.—EDITOR.]


On this page are advertisements of system, agents, guinea pigs, furs, mills, hogs and engines.

ADVERTISEMENTS

*When you write to an advertiser tell him that you saw his card in The Farm Journal. It is to your interest to do so.*

**Systematize Your Farm and Save Money**
E-Z SYSTEM; SIMPLE, INEXPENSIVE.
Book-keeping knowledge unnecessary. Write for special offer. Eastern Supply House, Newport News, Va.

**Would $150** MONTHLY as General Agent for $150,000 corporation and a Ford Auto of your own, introducing Stock and Poultry remedies, Dips, Disinfectants, etc., interest you? Then address Royoleum Co-Operative Mfg. Co., Dept. 24, Monticello, Ind.

**SKUNK—RACCOON—RED FOX**

Send your Raw Furs at once and get highest Market Prices to the house that gives a square deal. We pay as follows:

| Skunk | Prime Black | Short Stripe | Narrow Stripe | Broad Stripe |
|---|---|---|---|---|
| North Western.. | $ 4.00 | $3.00 | $2.50-$1.50 | .75 |
| Eastern & Canada | 3.25 | 2.25 | 1.00 | .50 |
| Central..... | 3.00 | 2.00 | .90 | .40 |
| Southern..... | 2.50 | 1.50 | .80 | .35 |

| Raccoon | Large | Med. | Small | No. 2 | No. 3 | No. 4 |
|---|---|---|---|---|---|---|
| North Western... | $4.00 | $3.00 | $1.75 | $2.00 | .60 | .30 |
| Eastern..... | 3.00 | 2.00 | 1.00 | 1.50 | .50 | .20 |
| Central..... | 2.50 | 1.50 | .75 | 1.25 | .40 | .15 |
| Southern..... | 2.00 | 1.25 | .60 | 1.00 | .30 | .15 |

| Red Fox | Large | Med. | Small | No. 2 | No. 3 | No. 4 |
|---|---|---|---|---|---|---|
| No. West. & Canada | 12.00 | 8.00 | 5.00 | 5.00-2.50 | 1.50 | .50 |
| Eastern..... | 10.00 | 6.00 | 4.00 | 4.00-2.00 | 1.00 | .35 |

We pay all express charges and charge no commission. Send small shipments by Parcel Post, large shipments by express. We refund Postage, Parcel Post and consul invoice. No duty to pay on shipments to U.S.A. Cash, check or money order sent on arrival of goods to us. Send for Price List on other furs.
STICHT-SINGER FUR CO., Inc., *Estab. 1905.*
Dept. A. W. 329 Seventh Avenue, N. Y. City
References: Bradstreet's or Dun's Agency, any Bank or Bankers

**THE MONARCH FRENCH BURR MILL**

**Grind Your Own Feed**
One of the "efficiency aids" which you, as a modern farmer, ought to have, is the Monarch French Burr Mill. You can grind your own feed, and make money "on the side" doing custom work for others. The Monarch is the finest feed grinder without exception. Cost for power very small. Say what kind of power you have and the amount—we'll quote price and give you some valuable pointers about grinding your own feed.

Sprout, Waldron & Co.
Box 267, Muncy, Pa.

**RAISE GUINEA PIGS**
for us. Big money making opportunity. $3.00 will start you and we will buy all you raise. Big demand—thousands needed weekly. Easier to raise, pay better than Poultry or Squabs. Particulars, contract and booklet how to raise FREE. CAVIES DISTRIBUTING CO., 722 West 74th St., Kansas City, Mo.

**$150 Per Month and Expenses**
Salary or Commission — Introducing our King Butter Separator. Produces best grade of butter from cream or milk, sweet or sour, in less than 5 minutes. Write for our free sample and salary propositions.
DeKING MANUFACTURING CO., Dept. 8P, CHICAGO, ILL.

Originators of the Famous O. I. C. Swine 1863

**Two O.I.C. Hogs Weighed 2806 lbs.**

Why lose profits breeding and feeding scrub hogs? Two of our O. I. C. Hogs weighed 2806 lbs. Will ship you sample pair of famous O. I. C. hogs on time and give agency to first applicant. We are the most extensive breeders and shippers of pure bred hogs in the world.

**All Foreign Shipments U. S. Govt. Inspected**

We have bred the O. I. C. Hogs for 53 years and have never lost a hog with cholera or any other contagious disease.

*Write—to-day—for Free Book, "The Hog from Birth to Sale"*

THE L. B. SILVER CO.
103 Vickers Bldg., Cleveland, O.

**APPLETON WOOD SAWS**

Make money from wood this winter. The portable rig (below) can earn its cost, plus a big profit, in one season; and the whole outfit is made to stand years of hard service. Mounting; strongest oak or steel, mortised, bolted and firmly braced. Best steel wheels, staggered spokes. Saw frame, heavy angle steel bars, bolted and rigidly braced; equipped with tilting table. Saw blade 20 to 30 inch. Appleton Engines deliver full rated h. p. with least use of fuel; and wear for years. Sizes 1½ to 22 h. p. (4 to 10 h. p. for outfit below.)

*Portable Outfit*

Send for free catalogs showing 10 styles of Appleton Wood Saws and full line of Engines, Grinders, etc.
Appleton Mfg. Co. 613 Fargo St., Batavia, Ill.

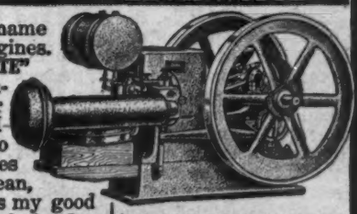
**The Name WITTE Will Never Appear on anything but Highest Quality Engines**

ED. H. WITTE

**Saves $10 to $200 on an Engine**

Write today for free book, "How to Judge Engines;" 90-day trial offer; 5-year guarantee; Easy payment plan; complete price list on all Kerosene, Gasoline, Naphtha, Distillate and Gas Engines in 2, 3, 4, 6, 8, 12, 16 and 22 H-P. sizes in Stationary, Hand Portable, Portable and Saw-rig types.
—ED. H. WITTE.

I AM proud of my name and proud of my engines. After the name "WITTE" has had a clean, unblemished record for 47 years, how could I do else than try to build the best engines and do business in a clean, honorable way? It is my good fortune and your good luck that I am able to sell such high-grade engines at such low prices. My own private, natural gas well to furnish free power; my great factory equipment; my having no interest to pay on notes, mortgages, bonds, etc., is to *your* advantage.



**WITTE Kerosene Engine**
Also made in other styles to operate on Gasoline, Naphtha, Distillate or Gas, and in Stationary, Hand Portable, Portable and Saw-rig types.

*When a postage stamp may save you from $25 to $200 on an engine, isn't it worth while to write for my catalog? You can buy an engine direct from my factory at my low factory prices.*

To give you an idea of the difference between ordinary retail prices and factory prices, I want to tell you that until I changed to my present selling plan, my engines would have cost you double present prices. My business is so large now that if I can make only $1 clear profit on an engine, I can buy a good farm each year. Let me prove to you right on your own farm the worth of my engine.

**WITTE ENGINE WORKS,** 1623 Oakland Ave., Kansas City, Mo. 1623 Empire Bldg., Pittsburgh, Pa.

## THE COW AT CALVING TIME

*How to Obtain the Best Results at This Period*

THERE is no time in the whole milking period that has such an important bearing on the establishment of a standard for production for the year, as the period previous to and following calving time. It is understood by many, but not by all, that if a cow is allowed from six weeks to two months in which to rest from one lactation period to the next, she will yield more than when milked continuously up to the time of parturition. We know the effect upon ourselves, when our faculties are continuously at work, especially when the nerves are brought into play. And it is a fact that parturition vitally disturbs the nervous and physical activities, especially the forces of digestion. The act of calving brings stimulation to the milk-producing organs, which is the only natural and effective means of stimulating milk secretion; and it is a serious mistake not to make the most of it. It is necessary to handle the cow in such a manner as to derive full benefit from this stimulation, since with most cows it rapidly wears off if not utilized.

Rather liberal feeding, which actually builds mild nutrients on the body, during the last few weeks of the lactation period and while the cow is dry, is the secret of preparing the cow for the succeeding lactation period. This may appear to be wasting feed, but this is the important period when it is most valuable. During the last few weeks of the milking period grain may be fed at the rate of one pound to each two pounds of milk produced, reducing at the period when the cow is to be dried. A good many have trouble in drying off persistent milkers by the plan of skipping milkings, but when less than fourteen pounds of milk is yielded, daily milking can be discontinued at any time without serious difficulty if accompanied by a reduction in the feed. The udder will become filled, but the fluid contents will soon be absorbed. When dry, about eight pounds of grain should be fed daily; more if the cow is in poor condition. It would not be profitable to feed inferior cows this way. These, however, can not always be detected from the others unless all have an equal chance, and weeding is practised, based upon the record of production. The grain ration should be bulky, laxative and nutritious, having slightly more carbohydrates than a milk ration, with a nutritive ratio of about one of protein to seven of carbohydrate and fat equivalent.

During this period protein and fatty tissues are actually being stored upon the body to be used in the production of milk before the cow is in shape to digest and assimilate a full ration. A cow is like a toboggan in that the higher she starts at the beginning of her slide, the faster and longer will she keep running. It is just as serious to crowd the appetite during the first month after calving as to neglect to lay on this supply of nutrients. The cow should be kept hungry. If fed all she would eat harm will be done, and a check to her flow is the natural result of going "off feed," as most cows reach their limit early by this sort of handling.

A week before calving reduce the grain to four or five pounds, feeding mostly bran and oats. On the day of calving a pound and a half of Epsom salts, lukewarm water, and good hay, are enough for a well-conditioned cow, although two quarts of bran mash may be useful. Begin the next day feeding lightly, and after four or five days introduce a grain mixture gradually. Increase this gradually about one-fourth pound per day. *Do not expect a cow to handle all the feed called for by her yield of milk.* If she has been properly conditioned and is coming to a good flow, from one month to six weeks is early enough to get her on full feed. For from three to six months she should gradually lose the flesh stored up. — F. C. WHITE, Connecticut Agricultural College.

[It will be seen by the foregoing that haphazard care of the cow has no place in the modern dairy and that a cow's performance is made or marred at the feed bin.—EDITOR.]

On this page are advertisements of dehorners, horse overshoes, hog oiler, silos, feed cookers, oil and roofing.

ADVERTISEMENTS

*When you write to an advertiser tell him that you saw his card in The Farm Journal. It is to your interest to do so.*

Agents, $10 a day. Write for special prices. Big money selling this new invention, SHARPSHOD HORSE OVER-SHOES. Guaranteed to prevent slipping on ice. Buckled on over old shoe in a minute. Single Set 4 shoes, shipped to any one C. O. D. $3.50. Herman Mfg. Co. 1420 Pa. Ave. Washington, D. C.

DEHORNED CATTLE Bring More Money

Actual prices quoted at Stock Yards show that dehorned cattle are worth 15c to 25c per hundred pounds more than cattle with horns. The Leavitt "U" Blade Dehorner cuts all around the horn, leaving a smooth, clean cut that heals readily. Your dealer can supply you. Look for the blue guarantee tag and name on the handle. Get our free circulars on the oldest and largest line of dehorners in the world.

LEAVITT MFG. CO. 134 Griggs St., Urbana, Ill.

LEAVITT DEHORNER

ROWE'S NEW IDEA HOG OILER

Sent Freight Paid on 30 Days' FREE Trial

Kills Lice. Cures Mange. Disinfects Pens and Yards. Prevents Disease.

Only Oiler made without valves, cylinders or wheels. Can't clog, stick, leak or get out of order. Guaranteed 5 years. Uses Crude or Medicated oil. Kills lice; keeps pens and yards disinfected. Order one or more on free trial today.

*Send No Money*

I pay freight and send one gallon of Medicated Oil free with each post. Test them 30 days on your farm—then pay if pleased. If not, return at my expense. You take no risk. Order direct from this ad. Catalog Folder sent free on request. ALVIN V. ROWE, Pres't

PRICES 1 Oiler $7.75 2 Oilers 15.00 Freight paid except in Mountain and Coast States

ROWE MFG. CO., 193 Liberty St., GALESBURG, ILL.

THE "TALE" OF A PIG

Send post card at once for this interesting free story. There's money for you in every line of it.

CORN CROP SHORT SAVE YOUR FEED

Don't buy corn and pay high prices. Learn how 55,000 wide awake farmers make their feed go a third to a half farther and prevent hog cholera by feeding correct, cooked rations. Also get our 10 day trial offer on

HEESEN FEED COOKERS

Tank Heaters, Hog Troughs, Etc

Cook feed and warm the water for your hogs, cattle, sheep and poultry this winter. It pays. All sizes of cookers. Used everywhere. Attractive prices. Handy for cooking feed, scalding hogs, rendering lard, etc.

*Write us* Let us show you the way to greater profits. Just send your name and address. Do it now!

HEESEN BROS. & CO.

Box 700 TECUMSEH, MICH.

SILOS BEST AND CHEAPEST

Heavy, non-conducting, steel-bound walls; rigid dowel construction, anchored solid as an oak, convenient door system, safe ladder. Write for free catalog.

Uncle Sam Uses Them

Harder Mfg. Co., Box 10, Cobleskill, N. Y.

It Pays to Dehorn

Dehorned cows give more milk; take less room; are gentle and easily handled. Steers fatten quicker and are harmless—they pay better. The new Improved Keystone Dehorner removes horns quickly, cleanly and safely. Shear has sliding cut; no bruising. Easy to dehorn. Money-back guarantee. Send for booklet.

M. T. Phillips, Box 100, Pomeroy, Pa.

All over the Barn

3-in-One Oil helps to keep things just right and bright. Rubbed on harness

3-in-One

makes it soft, pliable and waterproof. Stops rotting and breaking.

Applied to harness mountings, bits, spurs, steel and nickel parts of vehicles, etc., 3-in-One prevents rust or tarnish and keeps them looking like new.

On horses' hoofs too, 3-in-One is a fine thing to use to overcome brittleness and to prevent cracking.

3-in-One lubricates all light mechanisms perfectly. Good for tools. The only gun oil. Stops automobile spring squeaks. Makes Fords crank easier when used on the commutator.

FREE—Send for FREE sample of 3-in-One and a booklet telling about its 79 labor-saving uses. Every farmer and every farmer's wife should have a copy of this book. Write for both book and sample now.

3-in-One is sold by all stores in bottles, 10c, 25c and 50c, In Handy Oil Cans, 25c.

Three-in-One Oil Company 42KEG, Broadway, New York

APOLLO ROOFING

Insures greatest *resistance to rust and corrosion*, and best protection from fire and weather. Specially adapted to farm buildings. Made from APOLLO-KEYSTONE Copper Steel Galvanized Sheets—highest quality sheets manufactured. The added Keystone indicates that Copper Steel is used. These sheets are also unexcelled for Silos, Tanks, Cisterns, Culverts, Sheds, etc. Sold by weight by leading dealers. Send for free "Better Buildings" booklet.

AMERICAN SHEET AND TIN PLATE COMPANY, Frick Bldg., Pittsburgh, Pa.

## ABOUT DOGS

**That they may be better understood, appreciated and treated**

IF the dog loves once, he loves forever. He is under your chair, he is with you when you walk, he is asleep at your door, and sometimes he is on your grave when you are gone. He never backbites, he never whispers your faults. He looks at you with his earnest brown eyes, and he loves his master no matter how worthless and homely that master is. A. M. W.

*The Beginning of a Friendship*

Human friendship is never proof against jealousy, enmity, or the many other things which can bring about its rupture; but a man may neglect his dog and abuse him in the most heartless manner, and still retain not only his friendship, but his unfailing love.

KEEPING PUPPY QUIET

When a pup cries at night I just take a sock or stocking and stuff it with rags, and when it is packed solid and full I sew the sock up at the top and put it in his kennel with him, and he will think that it is another puppy and lie close to it and he will not cry nor fuss.

*Massachusetts.* WILFRED SMITH.

BARKS

A dog's life is what his master makes it.

Like old friends it is the dogs we've known longest that are nearest to us.

One can tell what kind of a disposition a man has by noting the attitude of his dog.

We have said that dogs are much like people. Therefore all dogs are not good dogs.

A dog shows more intelligence than some people, by burying his bone against a rainy day.

The man who originated the saying, "Hurry is the mark of a weak mind," never was chased by a bulldog.

A man may have many dogs, but there will always be one in particular to which he will be closer attached than the others.

Man loves the dog because he'll stay
And listen to his talk all day,
And wag his tail and show delight
At all his jokes, however trite.

A Kansas dog recently saved the lives of four harvest hands. The large barn they were sleeping in caught fire and the dog, a large Newfoundland, ran in where the men slept and barked and clawed until he awakened them in time to escape.

*Kansas.* M. A. P.

Size of body is not always a trustworthy measure of a dog's courage any more than it is of a man's. Some big dogs are but great, hulking cowards, even mastiffs not excepted, and we have seen a bloodhound of irreproachable pedigree, as timid as a hare.

TWO DOGS

The dog of high, patrician mien, of well-groomed coat and aspect clean, makes quite a hit when down the street he travels on high-stepping feet. To pat his head we gladly reach, and we assure him he's a peach, and gently stroke his lustrous hair, and wish we had ten bones to spare, so we could buy a dog like that, and give him latchkeys to our flat. But when a seedy dog comes near, a dog with sores upon his ear, a dog with eyes that do not match, and fleas that make him madly scratch, we kick him swiftly with our feet, and hoist him half way down the street. Men leave the office, store and shack, to kick him 'round a block and back. 'Tis likewise with the human skate, for whom the rocks or roses wait, who gladness knows, or sorrow bears, according to the front he wears. You may have sterling worth to burn, and think men's plaudits you should earn, but if you wear a seedy shirt, some flying rocks are bound to hurt.

WALT MASON.

THE SMALL DOG'S DREAM

[Copyright by The George Matthew Adams Service.]

On this page are advertisements of separators, sausage stuffer, meat chopper, lard press and patents.

*ADVERTISEMENTS*

*When you write to an advertiser tell him that you saw his card in The Farm Journal. It is to your interest to do so.*


**Only $2 Down**
**One Year to Pay!**

**$24** Buys the New Butterfly Jr. No. 1. Light running, easy cleaning, close skimming, durable. Guaranteed a lifetime. Skims 95 qts. per hour. Made also in four larger sizes up to $1-2 shown here.

**30 Days' Free Trial** Earns its own cost and more by what it saves in cream. Postal brings Free catalog folder and "direct-from-factory" offer. Buy from the manufacturer and save half. (121)

**ALBAUGH-DOVER CO.**
2102 Marshall Blvd. CHICAGO

No. 5½

**NO MONEY IN ADVANCE**

**SENSATIONAL OFFER ON CREAM SEPARATORS**

Order any size **Majestic Cream Separator you** want—no deposit—no C. O. D.—no security. When the separator comes, work it 30 days and if you are not fully satisfied with it, send it back at our expense and you will not be out one cent. If you are completely convinced that the "Majestic" is a wonderful bargain and just the cream separator you want, then keep it and pay one-tenth in 30 days and balance in 9 equal monthly payments or pay one-sixth, 60 days after arrival and balance in 5 equal payments at intervals of 2 months each—giving you

**A FULL YEAR TO PAY**

We make this remarkable No-Money-In-Advance, Year-To-Pay Offer because we want you to learn from your own experience that here, at last, in the Majestic is the perfect separator—a masterpiece of mechanical skill and ingenuity—an amazing triumph achieved in Cream Separator construction.

Test it on warm or cold milk and find out by actual results how the Majestic skims down to the last drop—note the fine condition of the cream—how much quicker it skims than any other you have ever seen. You will find it just the separator you want. Our free trial without money or security offer proves it to you.

**Send For FREE Book**

Don't buy a separator until you get all the facts about the "Majestic". Learn all about this wonderful Separator. Compare our low price. The Majestic on our **year-to-pay, farm credit terms** costs less than others ask all cash for. Get the proof. It's in this book. Mail coupon.

**THE HARTMAN CO.**
4044-46 LaSalle St., Chicago, Ill.

**THE HARTMAN COMPANY,**
**4044-46 LaSalle Street, Chicago, Ill.**

Without obligating me, send me your Cream Separator Catalog No. S-309 and particulars of your Farm Credit Selling Plan.

Name.....

Address.....

**PATENTS** That Protect and Pay
Send Sketch or Model for Search.
BOOKS AND ADVICE **FREE**
Watson E. Coleman, *Patent Lawyer*, Washington, D. C.

**$15.95 Upward AMERICAN CREAM SEPARATOR**

Sent on Trial. Fully Guaranteed. Easy running, easily cleaned. Skims warm or cold milk. Bowl a sanitary marvel. Whether dairy is large or small obtain handsome catalog. Address,

AMERICAN SEPARATOR CO., Box 5065, Bainbridge, N. Y.

**Big Profits or Just Plain Pig Profits**

Selling hogs on the hoof gives the other fellow the bigger profits that you have earned by raising your hogs.

Bank these profits yourself. Send your hogs to market as country lard and sausage. There is a ready sale for these pork products. Buy an

**"ENTERPRISE" Sausage Stuffer and Lard Press**

Make your own lard, stuff your own sausage, with this Press. It has special features found in no other. Patented Corrugated Spout prevents air from entering casing and thereby preserves the sausage. Strainer has wide, broad lips making safe handling. Plate can't jam or crack, because cylinder is bored true. Lasts a lifetime. 9 sizes and styles—2 to 8 quarts, Japanned or tinned.

*4 quart size, Japanned,* **price $7.00.**

Sausage meat is juicier and more tender when chopped with an

**"ENTERPRISE" Meat-and-Food Chopper**

because this Chopper has the "Enterprise" four-bladed, razor-edged, steel knife and perforated plate that give the true slicing cut. Rapid and easy. Cleaned quickly.

A big help to the housewife in the kitchen work, too, because with it economical, delicious dishes can be prepared from left-overs.

*72 styles and sizes.*

*No. 12 Chopper, cuts 3 lbs. per minute,* **price $2.75.** *No. 22 Chopper, cuts 4 lbs. per minute,* **price $5.00.**

**Your dealer can supply you Look for the name "Enterprise"**

**You Need This Hog Book**

Because it tells you how to make more money with hogs than you ever thought possible. Written by F. D. Coburn, Former Sec'y Kansas Dept. of Agriculture, covering the subjects of hog raising and the preparation of pork products. Send 10c in stamps for "How to Make Money with Hogs".

"The Enterprising Housekeeper", a new cook book with 200 tested recipes and household hints, sent for 4c in stamps.

**THE ENTERPRISE MFG. CO. OF PA.**
Department 98 PHILADELPHIA

## AILMENTS AND REMEDIES

*["Keep well" are words of more importance than "get well," so suggestions will be freely given here that will help to keep the farm animals in a healthy condition. We will answer and give advice by mail on the receipt of twenty-five cents, where an immediate answer is wanted. We do not solicit cases of this kind, but will answer them as an accommodation to Our Folks who are not accessible to a local veterinary adviser. Address, "Ailments and Remedies Department," this office.]*

THE North Carolina Experiment Station gives the following warning: Common salt, so essential in limited quantities, is detrimental to health and destructive of life, particularly in some kinds of animals, when it is taken in excessive quantity.

For a number of years past, letters of inquiry and investigations have indicated that salt, in too large amounts, is more often the cause of illness and deaths in swine than commonly supposed. Likewise, fowls are very susceptible to salt poisoning. Other classes of animals seldom consume sufficient quantity to produce harmful effects.

The excessive amount of salt may be given to the swine as the granular form of salt in feed or swill, or it may be given in the form of brine. When given in this manner, a larger quantity of salt is liable to be consumed voluntarily by a hog than when it is offered to him by itself.

The quantity of salt necessary to produce illness or death seems to depend to some extent on other factors than age or weight. The same amount of salt given to a number of hogs of the same age and weight will not produce the same results in all. Fatal results have been noted in shoats from two-ounce doses.

The symptoms of salt poisoning, likewise, vary considerably, owing to the amount of salt consumed or the effects produced. All of the symptoms may be found in many other forms of poisoning and in other diseases. Among the early symptoms to be observed are: Restlessness, vomiting, loss of appetite, and thirst. Later, frequent urination, diarrhea, and muscular weakness or paralysis may be noted. Convulsions are seen in some cases.

The course of the disease may be very short, ending in death or recovery. Death often takes place in a few hours after ingestion of the salt. In other cases death may occur after two or three days. The milder cases may make a complete recovery.

Treatment should consist of vomiting agents (emetics), which are given early to empty the stomach, to be followed by agents soothing (demulcent) to the lining of the digestive tract, and heart stimulants.

### FOOT NOTES

For looseness of the bowels of a horse feed old timothy or prairie hay and old whole oats. Mix browned wheat flour with the oats, and if that does not suffice, mix in each feed a tablespoonful of a mixture of two parts of prepared chalk and one part each of subnitrate of bismuth, powdered catechu and alum.

The moment the foal is born and the navel cord has been severed, saturate the stump of the cord with tincture of iodine and then dust it twice daily with slaked lime until perfectly healed. See that the bowels of the colt are encouraged to move soon after birth by injecting warm sweet-oil, cottonseed-oil or raw linseed-oil, and if necessary give a dose of castor-oil in milk. Have the mare work lightly or exercise amply every day up to foaling time. Have her foal in a clean, fresh-bedded box stall.

Lump jaw, which is common in cattle, is comparatively rare in swine, so far as the head is concerned. More commonly it causes tumors of the udder in sows. It is due to the ray fungus (actinomyces) which on grain or forage invades a scratch or wound, or finds entrance by way of a split tooth or abrasure or wound of the gums. The meat of an otherwise sound hog is fit for use, with the exception of the affected head. If treated at the outset it should be curable by cutting and cauterization with a hot iron or caustics, followed by application of tincture of iodine daily.

On this page are advertisements of animal remedies, furs.

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**Some cases cured by 1st or 2nd $1 can. Three cans are guaranteed to cure heaves or money refunded.**

The original and the up-to-date Standard Veterinary Remedy for Heaves; free booklet explains fully. 34 years sale and veterinary use.

**CURES HEAVES BY CORRECTING CAUSE—INDIGESTION. IT'S A GRAND CONDITIONER AND WORM EXPELLER**

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Write today and get yours early, mentioning animals trapped. Don't delay for we have only a few thousand bottles to send Fur Shippers.

**Bach Fur Co., Dept. 26 Chicago**

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Booklet FREE

**Neglect Will Ruin Your Horse**

Sold on Its Merits

SEND TODAY

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**$3 Package** guaranteed to give satisfaction or money refunded

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Postpaid on receipt of price

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MINERAL HEAVE REMEDY CO., 500 Fourth Ave., Pittsburgh, Pa.

**The Farm Liniment**

Winter is the critical period for horses, cattle, sheep, hogs, chickens, in fact all the living assets of the farm.

The vitality required to resist cold and exposure draws on their reserve strength and long inactivity increases the danger from disease.

Because thousands of farmers have found many uses for Sloan's Liniment when emergency treatment was imperative, it has been aptly called the farmer's "veterinary" and has served him in this capacity for more than 30 years.

Your dealer has it in 25c. 50c, and $1.00 bottles. There is six times the quantity of the 25c. size in the dollar bottle. Full directions for its use with every package.

**Sloan's** KILLS PAIN **Liniment**

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**The Advantage of Shipping Your RAW FURS to New York** was never so apparent as right now when the market is outbidding the whole world for your product. After ten years of publicity we have convinced the fur trade that New York is the logical as well as the most profitable market for the shipper. Send for price list and ship to

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Make more on your furs by sending them to us. Our prices are famous amongst hunters and trappers all over the country. **We were the first to get out a classified price list** that lets you know exactly what to expect for your furs. We make no deductions from published prices on any pretext of commission, transportation, etc. Liberal grading. Prompt returns. Will submit offer and keep furs separately when requested. Write *today* and get on our mailing list. Then you will be kept informed of the market so no one can take advantage of you. We are in manufacturing centers and have old established outlets. Our foreign connections are still active.

**Becker Bros. & Co.** Dept. A8, 416 N. Dearborn St., Chicago Dept. A8, 129 W. 29th St., New York.

## SOME VETERINARY NOTES

BY A. S. ALEXANDER, M. D. C.

MANY stockmen seem to be dubious as to the probability of injury to animals from the eating of moldy or otherwise damaged feed of any kind. They say that they have fed such feed with impunity many a time and are willing to run chances by feeding it again. Such a position on the subject is highly dangerous and the man who puts his misbelief into practise is certain to suffer in the long run.

It is just such men as these who do not believe in fire or tornado insurance for their homes or farm buildings. They say that they have never had a fire and never been damaged by a wind storm and so are unwilling to "waste money" on insurance. They might as well argue against life insurance that they have never died "as yet" and so will not need insurance. But death comes to all inevitably, and one can never tell when fire or wind or hail is going to do damage. Certain it is that somewhere it will destroy buildings or crops, and as surely it is good policy to keep the insurance policy fees paid up. Just so with the feeding of damaged grain or fodder. For a time it may possibly be fed with apparent impunity; then suddenly animals die and some cause other than the feed may be erroneously blamed.

To illustrate, let it be said that many a man has fed cottonseed to his hogs and has failed to note poisoning which has so often been spoken of in the papers. But such men have combined cottonseed-meal with a variety of other sound feeds, or have not given this feed for a prolonged period. That prevents poisoning; but let them feed it freely for 100 days or so and the pigs will suddenly die. We know this to be a fact, because we have brought about such results experimentally, as have other men connected with agricultural experiment stations. Then there is poisoning of cattle by the same feed.

Many men are skeptical about that; but others have found, to their sorrow and loss, that when cottonseed-meal and hulls are made the well-nigh exclusive ration of cattle for a period of 100 days or more, the symptoms of poisoning surely appear. These symptoms are inflammation of the eyes, the pupils being surrounded by a characteristic blood-red circle. That symptom is not seen in contagious ophthalmia (pink eye), which is due to a germ and not to the feed. Then the cattle that have been eating the cottonseed product ration become stiff, lame, and may go down paralyzed. Pigs act in the same way, but die in a few days, whereas cattle are not so quickly killed.

Ergotism is another form of vegetable poisoning which some stockmen seem to believe largely a myth, and the reason is not difficult to find. While ergot is quite commonly found in rye and the grasses in almost every section of the country and on the Pacific coast, we are told, so that it sometimes makes the pastures practically black where grass is allowed to grow rank and ripen its seeds, it does not always cause abortion or the other lesions characteristic of ergotism.

Ergot, which is the purple black spur of the fungus *claviceps purpurea*, causes lessening in the calibre of the blood vessels, notably those of the extremities. That, too, is the effect of cold and wet, and when animals are eating ergot in large quantities in grain or grass and at the same time wading in snow and slush, as they do in northern states, the poisonous effect of the fungus soon becomes apparent. On the contrary, where snow and slush are practically unknown or only prevalent for a few days at a time, cattle may escape apparent injury.

The symptoms of ergotism in cattle are gangrene of the extremities, indicated by sloughing of the hoofs, or of tissues just above the ankles, so that the ligaments and bones may become exposed where the tissues slough away. Horns and tails may slough off. Abortion is a frequent result of the poisoning.

In horses there is progressive paralysis of the throat so that swallowing becomes impossible.

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On this page are advertisements of patents, electric goods, auto-top roof, saws, animal remedies, grinders, furs, agents and smoke house.

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Easy to apply, you save two-third price of new top; auto wheels demountable rims $15; buggy and wagon wheels $7 up; axles $3. Our catalog gives wholesale prices and freight prepay offer on everything in buggy and auto parts.
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Sweep-Grinder—Triple Geared Ball Bearing—Double Cut—Big Capacity. Improved Gasoline Power Grinder—runs with any size engine 2 H. P. up. They will grind ear corn and all small grain, fine or coarse. Sent on trial. No money down. Write for catalog.
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Christenson, Wisconsin, says: "Have never seen an article that sells so easily." Norring, Iowa, says: "92 per cent of homes visited bought." Philips, Ohio, says: "Every customer becomes a friend and booster." Kemerling, Minn., says: "No flowery talk necessary. Sells itself."
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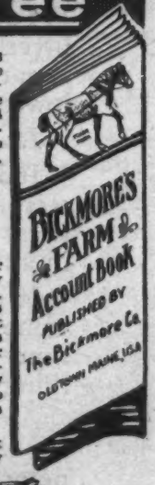

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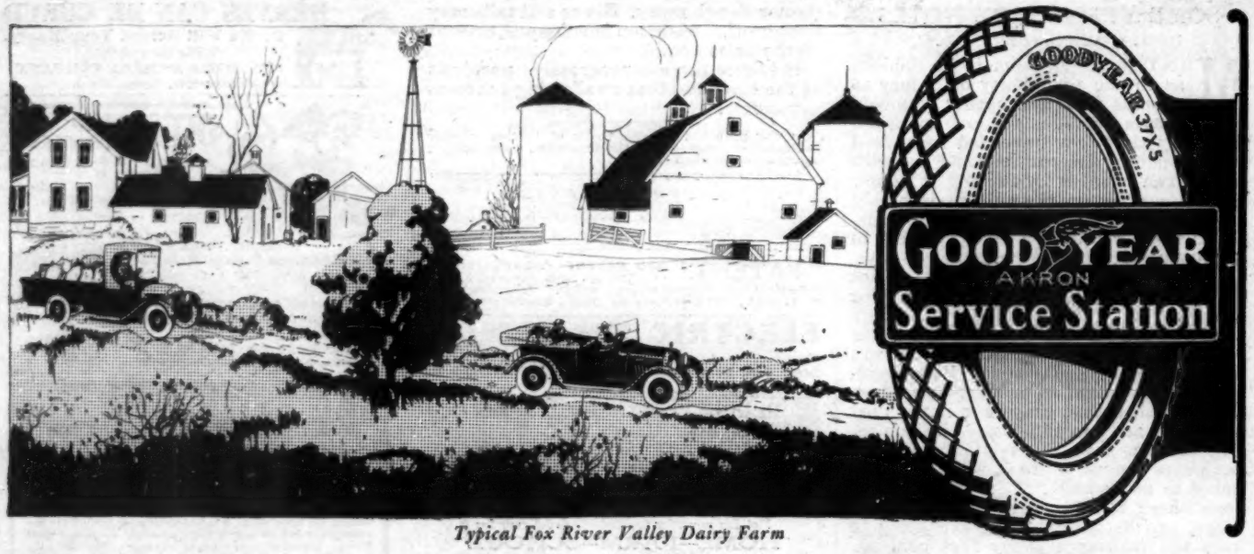


*Typical Fox River Valley Dairy Farm*

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The low-price tire is a gamble, and your satisfaction is the stake.

The low-price tire is a gamble in which you play the other fellow's game—maker and distributor get their money in advance—you take all the chances.

You risk the use of your motor car investment, the sure economy of buying reputable products—all on the lure of lower first-cost.

*It doesn't pay!*

It doesn't pay—any more than a cheap strap in a good harness pays, or a poor share on a fine plow, or a scrub sheep in a flock of Merinoes.

It doesn't pay because questionable value means questionable service every time—in automobile tires as in anything else.

And when all is said and done, only *the wear you get for the price you give* determines the extravagance or economy of the tire you buy.

Figured on this basis, the solid basis of common sense, Goodyear Tires are the soundest purchase in the tire market today.

They yield you more—in miles, in comfort, in security, in freedom from trouble.

The largest single group of tire-buyers in the world has found it so, and profited thereby.

Another thing: you are not left to work out your own salvation when you buy a Goodyear Tire.

You buy it from a Goodyear Service Station Dealer—there's one close by.

He's there not only to sell you tires, but to see that you get complete satisfaction from them, and to help you on this proposition of long mileage.

He'll help you by selling you a Goodyear Tire—and there's more mileage *in* this tire; he'll help you by selling you a Goodyear Tube—it's a *better* tube; he'll help you by selling you a Goodyear Tire-Saver Kit—the only package on the market containing *all* essential first-aids-to-tires.

And what is more important, he'll help you *after the purchase*, any time you call on him.

Go meet your Goodyear Service Station man. He's prepared, and eager, to render *you* the type of satisfaction that only exceptional service can give.

The Goodyear Tire & Rubber Company
Akron, Ohio

*Goodyear Tires, Heavy Tourist Tubes and "Tire Saver" Accessories are easy to get from Goodyear Service Station Dealers everywhere.*

GOODYEAR
AKRON

# POULTRY YARD

BY MICHAEL K. BOYER

A hen should be judged by her performance, not by her beauty.

Orders for breeding stock should be placed now; the supply is limited.

We hope that no sadness may blight what should be a Merry Christmas.

Poultry enthusiasts are wanted; but there is no room for poultry dreamers.

It is best to introduce new males to the flocks two or three months before the eggs are wanted for incubation.

A man full of energy and pluck, who is not easily discouraged and who, like Lincoln, believes in "pegging away," can always succeed with poultry. None other need apply.

## EDITORIAL OBSERVATIONS

The illustration this month, on this page, is that of a Black Orpington cock. The specimen shown is an ideal one, and at a glance it can be seen that for good roasting poultry nothing better could be wished for.

The Black Orpington was the original in the Orpington family, a breed originated by William Cook, an English authority on poultry matters. In the make-up Mr. Cook conducted a series of experiments with the Black Minorca, Black Langshan and the Barred Plymouth Rock, and succeeded in combining in one the well-known utility qualities of these three breeds.

The fame of the Black Orpington spread like wildfire, and the originator soon learned that people in the selection of a breed are often governed by color. That is, some like black best, some white, some buff, and so on.

To cater to such wishes, and to make the Orpington breed still more popular, Mr. Cook in turn created the Buff, White, Blue, Diamond-Jubilee and Spangled varieties. At the present time, the White and Buff Orpingtons are mostly preferred by our American breeders.

The interest in this breed has so grown in this country that the sons of the late William Cook have established an extensive plant at Scotch Plains, N. J., where each year they breed and improve their varieties, better adapting them to American requirements.

The Orpingtons are stronger competitors of our American breeds than any other breed or breeds yet introduced here, and they are worthy competitors, having many excellent market qualifications.

## CALENDAR FOR DECEMBER

This is no time for a lazy fowl. Any hen that does not scratch now—after good litter and tempting grain are provided—is not worth bothering with. She would be more profitable in the pot.

Exercise not only keeps down fat, but it improves the blood and condition to such an extent that if there are any eggs in the hen she is bound to lay them.

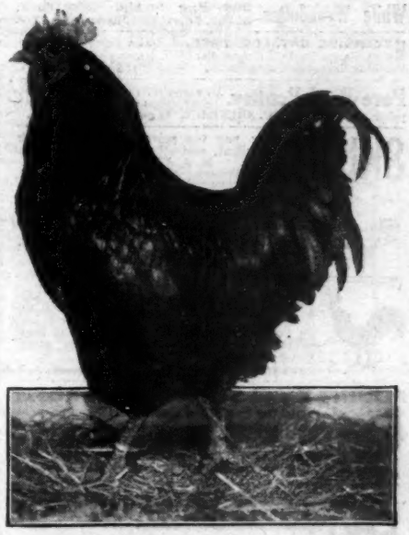
As the weather becomes colder the quantity of corn, corn-meal, animal food and other heat-producing foods should be gradually increased. Green food, such as cabbages, beets and other roots, should also be daily supplied. A good way to feed roots is to cut them lengthwise in half, and nail them to the side of the wall so the hens can easily pick off pieces. Cabbages should be suspended from the ceiling by a cord, just high enough so the fowls, by a little effort, can get at them.

The demand for killing chickens will continue good until about the middle of this month, when it is advisable to withhold shipments until about the middle of next month. This will avoid meeting a glut in the market around the holidays. An exception to this rule would be in the case of special orders from private trade.

There is a call now for roasting fowls that will weigh five or six pounds each when dressed.

The capon demand is poor now, and it is best to hold them until after the holidays.

At the end of this month the accounts for the year should be closed. Take an account of stock; find out what the fowls cost during the year, and the amount of profit made. THE FARM JOURNAL will be glad to publish these reports.



*Noted English Table Breed*

## SOME INCUBATOR HELPS

Use soft water in the pipes if the machine is a hot-water affair. Hard water will leave a deposit of lime, etc., the same as it does in a teakettle.

A spirit-level is not necessary. A small pan of water will do just as well for leveling up an incubator. Try it on all four corners of the machine. It is important that the incubator stands perfectly level.

One frequently has difficulty, during a cold spell of weather, in keeping up the temperature in the egg chamber. Try setting a lamp on the floor near the incubator. A lamp with a squatty bowl can be set directly under the machine. I have used a lantern with good results. Anything which will warm the air of the room will answer the purpose.

If the incubator is in a dry location, and if a cloth is wrung out of hot water and laid over the bottom of the machine about the eighteenth or nineteenth day, it will materially assist the hatching process.

Spread newspapers over the nursery floor before the hatch begins. This will do away with the necessity of washing after the chicks are removed. Cover the papers with a cloth to help the chicks in getting on their feet.

The instruction book will probably advise keeping the doors closed tightly during the hatch. But if a watch is kept through the inner glass, some eggs will be seen with empty shells attached. Sometimes an egg rolls into an empty shell, and this prevents the chick from breaking through. Remove the empty shells, but do it quickly, leaving the doors open only a few seconds at a time, so as not to lower the temperature inside the machine.

Don't be in a hurry about taking out the chicks. Leave them in the nursery for several hours after they are thoroughly dry. Quarter them in several small flocks rather than in one large flock; give dry feed, clean water, exercise and warmth.

*Villisca, Ia.* MRS. T. J. BOLT.

## FANNIE WOOD'S POULTRY TALK

It takes coaxing to get fowls to eat food they are not accustomed to.

Keep a box of dry bran where the hens can have access to it.

When pullets start, they usually lay eggs irregularly for a while.

Bowel trouble is often suspected with turkeys when it is nothing but worms.

Mature Guineas taken to a strange place are very apt to stray off.

Every farm should have a few geese on it.

With poultry it is better to have quality than quantity, if we can not have both.

It is not impossible to get winter eggs. What one has done another can do.

Leghorns are delicately adjusted machines, and it does not take much to upset them.

Roup, and many other poultry troubles, are infectious. Don't forget to wash the hands well after handling sick fowls.

Some hens are sold too soon, and many on some farms are kept too long.

## FARMER VINCENT'S WISE SAYINGS

To get the most out of poultry we must put something into the business—feed, care, and a lot more of self.

Feed evenly and regularly, not a feast to-day and a famine to-morrow.

Feed the pullets not only for eggs but for growth. They ought to keep on growing for some time yet.

There may yet be days when road dust can be gathered. Don't get so busy at something else that you neglect this important piece of work.

It may be pretty late to move the hen houses out of the damp places, but we may even yet dig a good drain to carry away the water. That will greatly help.

Give the hens a chance to take a sunbath every day Old Sol comes out.

One thing I am afraid of, and dead set against, is fixing up a gun or other kind of dangerous contraption at the door or window of the poultry house, to catch thieves. Better lose every hen on the place than to have the memory of causing some terrible tragedy. Good locks, kept locked, and windows well guarded, are all right; further than that no man ever ought to go.

## OUR DOMESTIC FOWL

The hen is a native of Asia. Of the many native species now known, it is difficult to decide from which ones the domestic races have really sprung. But it is the prevailing opinion that, by the mixture of the many species, the common barnyard fowls were produced.

The wild cock and hen which inhabit the wooded districts of Hindustan are known by the name of "jungle fowls." They are nearly as large as the domestic hen, though of more slender proportions, with large serrated combs and wattles. The wild hens do not vary in the plumage like the domestic, but resemble each other

individually, the feathers being chiefly black and white.

Whatever the true origin of our domestic fowl, its subjugation to man was doubtless a work of time and difficulty. To change an inhabitant of the forest, and of a tropical clime, into a tame companion of man in almost every zone, was certainly not the work of a day. It must have required the greatest patience on the one hand, and a remarkable adoption of circumstances on the other.

Domestication has produced many changes in the form and size of poultry, as we know it to-day, especially in the crest, wattles, tail and general contour of the body. Much attention has been bestowed of recent years upon our domestic fowl; and it is probable that from the individual suffering from hen fever much public good has resulted in the improvement and multiplication of the various breeds. Some excel in beauty of plumage, others in size of body, egg production, etc. GEO. J. MAGER.

## FOOT NOTES

*The Farm Journal is often asked: "What book is a good guide for the beginner?" The question is easily answered. There is none better than the Biggle Poultry Book. The Judge tells the novice just what steps to take; he tells what must be done, and what to expect; he gives colored illustrations showing the different breeds in their natural colors; he tells you how to build houses, and gives much other valuable information—and all for 50 cents. Or, we will send The Farm Journal for five years, and include a copy of the book, for $1.25.*

A well-dressed hen is an undressed affair.

Dry earth pulverized is a good substitute for road dust.

Now bring out some of those nice lawn clippings you saved for the fowls.

Sunlight is a germ destroyer. Let it into your houses every day you can.

Poultry feeds vary in quality. Bran is sometimes adulterated with chaff, etc.

Geese wash their food down with lots of water. Give them plenty, and have it always good and fresh.

Folks use onions to ward off colds. Just exactly as good for hens. Chop them fine and mix with other feed.

Take a bit of time and wipe off the windows of the houses. Hens like a nice light home as well as you do.

Some of the boughten egg producers are fine, but with the best of them must go good care and kindly treatment.

Remember that the turkey is a great meat eater, and keep that part of the food supply up. Christmas is on the way.

A hen reminds me of a grist-mill — if you don't put grain in the hopper you can not expect flour. G. J. M.

Fancy fixings add nothing to efficiency. Good, substantial things are all the hens demand for the furnishings of their houses.

Let's not forget that every day now counts toward a fine hatch next spring. It is the care the hens have now, and from this day on, that counts.

CLARENCE CHICK: "HOPE I CAN EARN ENOUGH TO BUY MY CHRISTMAS PRESENTS THIS YEAR BY SHOVELLING SNOW"

Have you ever thought that hens prefer dark nests in which to do their laying? It is so, and it will pay to do as she thinks best about such things. Some things we are the boss about; others she ought to have the say-so.

Watch your winter layers. You will find that they are not the ones that are moping around on the roost, with one foot pulled up and head drooping. And you will be pretty smart if you choose your eggs for hatching from other hens than the mopers.

Some folks say that hens do not know the difference between a clean thing and a dirty one. Have those people ever watched


On this page are advertisements of poultry supplies, raw furs, magazine, agents wanted and bone cutters.

ADVERTISEMENTS

*When you write to an advertiser tell him that you saw his card in The Farm Journal. It is to your interest to do so, as Our Folks are treated honestly and served with the best. Read the Fair Play notice on the first page.*

TURKEYS at Reduced Prices in Nov. & Dec. 60 breeds. Chickens, ducks, geese. List free. H. A. Souder, Box 5, Sellersville, Pa.

SHIP YOUR DRESSED POULTRY AND EGGS TO Arthur H. Benser, Reading Terminal Market, Phila., Pa.

White Wyandottes. 200 Egg Strain. MICHAEL K. BOYER, Bellevue Av., Hammonton, N. J.

EXTENSIVE CATALOG FREE, varieties fine Poultry, Turkeys, Geese, Ducks, Guineas, Bantams, Hares, Collies, Pigeons. Hatching Eggs. Stock Reasonable. PIONEER FARM, Telford, Pa.

Pure Bred Poultry. All varieties. Stock for sale. State your wants and let me quote you prices. P. C. CONDON, West Chester, Ohio.

SKUNK We pay top prices for Skunk, Mink, Muskrat, and all raw Furs. Price list free. M. J. JEWETT & SONS, REDWOOD, N. Y. Dept. 1.

FERRIS WHITE LEGHORNS— Best winter layers. 5000 pullets, hens and breeding males at low prices. Trapnested to lay 200 eggs or more. Shipped C. O. D. and on approval. Chicks and eggs. Catalog explains all. Send postal. GEORGE B. FERRIS, 899 Union, Grand Rapids, Mich.

POULTRY PAPER 44-124 PAGE periodical, up-to-date; tells all you want to know about care and management of poultry for pleasure or profit. Four months for 10 cents. POULTRY ADVOCATE, Dept. 44, Syracuse, N. Y.

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Write for Foy's Big Book FREE—an encyclopedia of poultry information—written by a man who knows. Leading varieties of poultry and pigeons in natural colors. Low prices on fowls and eggs. FRANK FOY, Box 38, Clinton, Iowa.

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Easy, Fast: Strong, Substantial build. Feed fresh cut bone and get more eggs, higher percentage fertility. Also Dry Bone, Grain, Fertilizer and Shell Mills. All sizes. Hand and Power. Write today for Free Illus. Catalog & Price List. WILSON BROS., Dept. 36, Easton, Pa.

$5 AND UP NO MONEY IN ADVANCE

The "Dandy" is the easiest operated, best built, fastest cutting green bone cutter made. Sold on 15 days' free trial with a broad guarantee. If it suits, keep it; if not, send it back. Free catalog.

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"Dandy" Bone Cutters. "Dandy" Clover Cutters

The Extra Eggs will soon pay for one of these Automatic Self-Heating Poultry Fountains and Heaters

Keeps water at the right temperature day and night in the coldest weather and requires less than a quart of oil a week. Made of Galvanized Steel. A long felt want supplied. Every Hen-House needs one. Price of 1 Heater and 2 gallon Automatic Fountain complete $1.25. Write for Circular P and testimonials. Agents wanted.

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WE PAY $36 A WEEK AND EXPENSES TO men with rigs to introduce poultry compound. Year's contract. IMPERIAL MFG. CO., DEPT. 19 PARSONS, KANS.

Latest Book Profitable Poultry. Finest published; 144 pages, 250 pretty pictures and beautiful color plates. Complete instructions how to breed, hatch, feed by improved methods, describes our busy Poultry Farm with 53 pure-bred varieties, including Runner Ducks. Lowest price list on fowls, eggs, incubators, sprouters, etc. This great 50c book mailed for only 10 cts. Berry's Poultry Farm, Box 109, Clarinda, Iowa

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*Tells How to Make Money with Poultry*

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Get 50% More Eggs

One bushel oats, wheat or rye makes three bushels of crisp, tempting green feed in the "SUCCESSFUL" Sectional All-Steel Grain Sprouter Increases egg yield 50%—cuts feed cost ⅓. Makes chicks grow in double quick time. Steel throughout — fireproof — cannot warp, shrink or swell. Write for book and 1916 offer.

DES MOINES INCUBATOR CO. 634 3rd Street Des Moines, Ia.

TRAPPERS

We will have some Big Specials to offer Fur Shippers throughout the coming Fur Season. It will pay you to get your name on our mailing list at once.

Your success depends on the Fur House you ship to. Start Right. Ship your first lot to us. Our returns will convince you.

Write today for our free book, "Fur Facts," Price List, Tags and prices on Traps, Baits, Supplies.

*The Trappers Fur House*

ABRAHAM FUR CO. 13 Abraham Bldg., St. Louis, Mo.

There Is An Opportunity For YOU In This Uncrowded Business

Here's one business that is not crowded in which there is a money-making opportunity for you. Below is a sample of the hundreds of letters written by operators of Candee Hatcheries.

His Candee Too Small—Must Increase to Fill His Orders

"This has been a very busy season with us and have not been able to take care of the business that has come to us, having run at full capacity since February and was compelled to turn away business all season. I have decided to increase before another season. Have begun to lay plans for another year to take care of the increased business. Our Candee has given the best of satisfaction this year, and our hatches have been satisfactory and the chicks the kind that live and grow."

*Chas. W. Gault, Crescent Poultry Farm, Champaign, Ill.*

CANDEE COAL BURNING—HOT WATER AUTOMATIC—SECTIONAL INCUBATOR

Start with a 1200-egg Candee if you wish. Rent hatching space to your neighbors at $2 a tray of 75 eggs and turn 3c eggs into 15c chicks.

An automatic regulator at heater and regulator at each 300-egg compartment insures safety for eggs all the time, and constant, correct heat that means the largest possible hatches of healthy chicks.

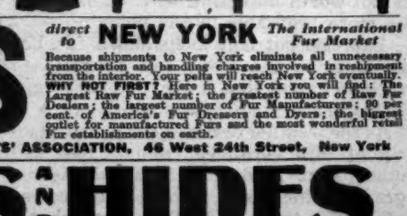
Write for Big FREE Catalog

Contains pictures of many prosperous poultry plants and hatcheries using Candee. Also shows the coal-burning, self-regulating Candee Colony Brooder that raises up to 500 chicks in one flock.

*Write today and plan to have a business of your own.*

W. A. SCHLEIT MFG. CO., Inc. DEPT. J EASTWOOD, N. Y.

Licensor of Candee Incubator & Brooder Co.




SHIP YOUR RAW FURS direct to NEW YORK *The International Fur Market*

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Because shipments to New York eliminate all unnecessary transportation and handling charges involved in reshipment from the interior. Your pelts will reach New York eventually. WHY NOT FIRST? Here in New York you will find: The Largest Raw Fur Market; the greatest number of Raw Fur Dealers; the largest number of Fur Manufacturers; 90 per cent. of America's Fur Dressers and Dyers; the biggest outlet for manufactured Furs and the most wonderful retail Fur establishments on earth.

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WE BUY FURS AND HIDES

For spot cash. 10% to 50% more money to you to ship Hides and Furs to us than to sell at home. Write for Price List, Shipping Tags and about our 450 page HUNTERS' & TRAPPERS' GUIDE 2nd Edition $10,000 Book

Best book on subject ever written. Illustrates all fur animals. All about Trappers' Secrets, Decoys, Traps, Game Laws. How to become a successful trapper. A regular encyclopedia. Price $2.00. To our customers $1.25. Hides tanned into robes. Prompt returns and highest market prices guaranteed for your hides, furs, wool, tallow, pelts and beeswax. ANDERSCH BROS., Dept. 113, MINNEAPOLIS, MINN.

a hen when she was looking over a nest box that was half full of filth? Hens do know and they will not patronize a foul nest box if they can help it.

Shocking up corn fodder on the north and west of an old poultry house will make it quite cozy for the fowls at this season.

When you feel like giving the birds, big and little, a real treat, sweep up the litter on the barn floor and see how they will chatter and grow happy over it.

The new edition of the "American Standard of Perfection" contains the official and only reliable description of all varieties of poultry. All the standard breeds are illustrated. Price, $2. Drop a postal for our "Cream List" of rural books, a new catalogue describing this and many other volumes that we consider the very best.

Many farmers have trouble in feeding oats to their hens, so they leave them out of the grain ration altogether. The fowls eat the other grains and let the oats lie. Since oats are a very nutritious and cheap poultry food, the birds should be taught to eat them. By feeding the oats first, and waiting until they are eaten up clean before giving the rest of the ration, the fowls will soon learn to like them, and to eat them any time with or without other grains. LEONARD STRICKLER.

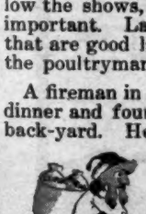
Be gentle to the new-laid egg,
For eggs are brittle things;
They can not fly until they're hatched
And have a pair of wings.
If once you break the tender shell,
The wrong you can't redress;
The "yelk" and white will all run out,
And make a dreadful mess.

'Tis but a little while at best
That hens have power to lay;
To-morrow eggs may addled be
That were quite fresh to-day.
Oh, let the touch be very light
That takes them from the keg;
There is no hand whose cunning skill
Can mend a broken egg.

Harper's Magazine, 1853.

W. Theo. Wittman, poultry expert of the Pennsylvania Department of Agriculture, gives the following advice: Good layers have long bodies, back sloping to the tail; medium-length legs set well apart; full prominent egg basket; pelvic bones thin and pliable; comb large, always red, and the number of serrations makes no difference. At this time of the year if you wish to improve your flock, the only hens you must breed from are your best hens, the big and persistent layers which are in good plumage and which have pale shanks, pale beaks and lobes, and red combs. The present show type of Single Comb White Leghorns, with low tails, small and evenly serrated comb, etc., is about as valuable, in a utility sense, as a poodle dog. Pay no attention to these "points" unless you wish to follow the shows, when they become highly important. Large, thrifty, clean birds that are good layers are to be desired by the poultryman.

A fireman in New Jersey came home to dinner and found a hen wandering in his back-yard. He opened the kitchen door, and the hen entered with him. He concluded that the hen was very hungry, and gave her a bowl of bread and milk. This statement has been published in the Boston Herald, and goes on to say that each



SANTA CLAUS OF THE POULTRY YARD

day when the man comes home to dinner he finds a fresh-laid egg awaiting him on the back porch, and the hen cackling for her bread and milk. We might have expected such things from some directions, but we never thought the Boston Herald would plead guilty.


ADVERTISEMENTS

*When you write to an advertiser tell him that you saw his card in The Farm Journal. It is to your interest to do so.*

**JACOBUS WASTE-NOT FEED HOPPER.** Collects & returns waste. Reduces feed bills. M. R. JACOBUS, Box 5-L, Ridgefield, N. J.

**62** BREEDS, fine, pure-bred chickens, ducks, geese and turkeys. Fowls, eggs and incubators, low prices. Big catalog free. **F. A. NEUBERT, Box 612, Mankato, Minn.**

**Breeders** CHEAP, all varieties Chickens, Ducks, Geese, Turkeys and Guineas; also Eggs. Catalog free. **BARE POULTRY CO., Box 819, Hampton, Iowa.**

**PFILE'S 65 VARIETIES** farm-raised Land and Water-Fowls. Eggs in season. Illus. Catalogue, and "Grower's Guide," 2c. **An honest deal. Write today HENRY PFILE, Farmer-Poultryman, Box624, Freeport, Ill.**

**Fertile Virginia Farms**

**ALONG CHESAPEAKE & OHIO RAILWAY**

at $15 an acre and up. Easy terms and quick profits. Mild climate, rich soil, abundant rainfall, plentiful and cheap labor. Convenient to Eastern markets, also to good schools and churches. Write for free illustrated booklet of farm homes just far enough South. Address **K. T. CRAWLEY, Indus. Agt., C. & O. Rwy., Room 545 - - - - Richmond, Va.**

**Egg-o-hatch** applied to eggs during incubation strengthens the chick and weakens the shell. It supplies free oxygen, absorbs carbon dioxide and makes brittle and porous the animal matter of the shell. The biggest thing ever offered to poultrymen. 50 test hatches show average of 98 per cent for Egg-o-hatch eggs and 81 per cent for eggs not treated, **right in same machine.** Send 10 cents for sample, for 50 to 100 eggs. Full size package, for 600 eggs, 50 cents postpaid. Booklet free,
**GEO. H. LEE CO., 231 Lee Bldg., Omaha, Neb.**

**IMPROVED PARCEL POST EGG BOXES**

New Flats and Fillers Leg Bands
New Egg Cases Oats Sprouters

*Catalogue Free on Request*

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**Let me put you on the map as a Poultry Raiser**

"Hatching Facts" biggest poultry book published, in colors, explains everything—tells about my World's Champion Belle City Incubator — my low price — my 10-year Money-Back Guarantee, also **My $1000 in Gold Offers.** Your chance to make Big Poultry Profits. Write me today for **Free Book.** Jim Rohan, Pres.

**Belle City Incubator Co., Box 34, Racine, Wis.**

**BIG HATCHES!**
**On One Gallon of Oil—One Filling of Tank!**

RAYO Incubators produce higher average hatches because center heat insures even temperature. Hinged glass top puts eggs, thermometer and all in plain sight, saving labor. Oil tank needs but one filling for entire hatch. Flame regulator saves 3 to 6 gals. oil every hatch. Hatching chart and money making book on request. Write for them and new catalog.

**Rayo Incubator Co., U.D. Sta-1124, Omaha, Neb.**

Self-Regulating CANDEE Colony Coal Burning Brooder

**LOST ONLY 4 CHICKS OUT OF 417**

With my Candee I have lost only 4 chicks out of 417—one by natural death, two by toe picking, and one by stepping on it. R. M. BEAGLE, Otego, N. Y.

**Distinctive Candee Features** Broods up to 500 chicks in one flock; burns coal—economical. Coal magazine feeds fire. Heater self-regulating—labor-saving. Larger 12 in. grate and sealed heater base—safety. High-all-around hover—plenty of fresh air for chicks. All-wool curtain—stops draughts, insures accurate regulation and saves fuel. Write today for free copy of Candee Colony Brooder Catalog and raise more chicks.

**W. A. SCHLEIT MFG. CO., Inc., Dept. F, Eastwood, N. Y.**
Pioneer Candee Incubator & Brooder Co.

58 BREEDS—Fine Pure-Bred Chickens, Ducks, Geese, Turkeys, Pea Fowls. Low prices. America's finest poultry farm. 3000 prizes. Large catalog 4c. A. A. ZIEMER, Box 3, Austin, Minn.

**Send For Free Book**

It tells how to mix your own poultry feeds, make poultry remedies, etc. A postcard request will bring it. It is given away by the one great poultry paper of America—

**American Poultry Journal** which tells everything about the fascinating and profitable poultry industry; issued monthly, 10c a copy, at all newsdealers. SEND 25c FOR 6 MONTHS' TRIAL SUBSCRIPTION. American Poultry Journal, 1212 S49 S. Dearborn St., Chicago

**How To Get Winter Eggs**

240 EGGS IN 1 YEAR FROM 10 HENS

It's easy enough to get winter eggs when you know how to properly feed and care for your hens. Our Free Book, "Dollars and Sense in the Poultry Business," shows you how to get this valuable information, and how to obtain a complete poultry education, covering every phase of the business. Write today for a free copy.
AMERICAN SCHOOL OF POULTRY HUSBANDRY, Box 92, Leavenworth, Kan.

**FEED YOUR POULTRY MEAT!**

BIGGER PROFITS
MORE EGGS IN WINTER

Government experts say that high protein meat feeds are best for poultry. The cleanest, most digestible, and most economical meat poultry feed is

**DARLING'S MEAT CRISPS**

75% Protein Guaranteed. Send for your free copy of our book "Feeding Secrets of Famous Poultrymen." It has much valuable information for every poultryman.
DARLING & CO., Dept. 28, CHICAGO

**NEW KIND OF INCUBATOR**

Requires 3 minutes a day. Saves work, time, money. Built round, like hen's nest. No cold corners. One gallon of oil, one filling of lamp to a hatch. Wonderful built-in moisture attachment and complete circuit radiators mean even heat, moist and mild always. Many other features that save work, time and money fully described in new FREE book—write postal for your copy NOW.
Radio-Round Incubator Co., 112 Main St., Wayne, Neb.

Freight Paid East of the Rockies

**150 EGG INCUBATOR CHICK BROODER**

Both are made of Calif. Redwood. Incubator is covered with asbestos and galvanized iron; has triple walls, copper tank, nursery, egg tester, thermometer, ready to use. 30 DAYS' TRIAL—money back if not O.K. Write for FREE Catalog Now.

Both For **$11**

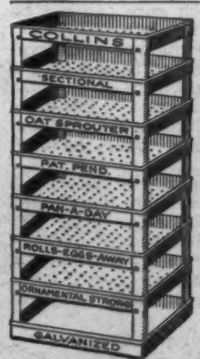
IRONCLAD INCUBATOR CO., Dept. 11 Racine, Wis. (2)

**The South for General Farming Poultry and Fruit Production**

In the South, along the Nashville, Chattanooga & St. Louis Railway, Corn, Wheat, Oats, Rye, Barley and other grains; Hays, and all forage crops, poultry and fruits are produced in large yields at lower cost and upon cheaper lands than the same commodities can be produced in the Northern, Eastern and Western States. Yet in many instances the Southern producer realizes more on the markets for his yields than his distant neighbors realize. Beef, pork and mutton are produced in the South at less cost per pound than elsewhere. Yet they bring top prices on the markets of the country. Need more be said to convince the home seeker that the South is the country to locate in? Productive farms for sale at low prices.

For information, address,

**L. P. BELLAH, General Agent,**
**Department A, Nashville, Tenn.**



**Winter Eggs**

**At Less Than Half Their Usual Cost**

Feed Sprouted Grain Grown in **Collins' Oat Sprouter.** Cuts Feed Bill, Increases Egg Yield, insures Healthy Hens. You buy for the most satisfactory, Sanitary, quick-growing sprouter. All galvanized steel, knock down, fireless. 8 pans, 11 x 15 inches, $3; 5 pan size, 11 x 15 inches, $2; 5 pans, 11 x 11 inches, $6. Add for West of Miss. River, $1 West of Rockies. Satisfaction guaranteed or Money Refunded after 10 days' fair trial.

**$3**

DEALERS and AGENTS write for special prices and printed matter.
**W. H. COLLINS,**
208 Harrison St., New York

**MAKE HENS LAY**

Lots of eggs by feeding green bone fresh cut, because it is rich in protein and all other egg elements. You get twice the eggs—more fertile; vigorous chicks; earlier broilers; heavier fowls; bigger profits. **MANN'S LATEST MODEL BONE CUTTER** cuts all kinds of bone, with adhering meat and gristle, easy, fast and fine. Automatic feed; open hopper; never clogs. Book free. **10 Days' Free Trial.** No money in advance.
**F. W. Mann Co.,** Box 40, **Milford, Mass.**

## PIGEONS FOR PROFIT

### Ins and outs of squab raising for market —Of interest to all Our Folks

OCCASIONALLY you will have a flighty hen or an impulsive cock too busy to attend to family cares. They do not feed and the youngsters languish and die. Get rid of such parents.

You want the top-notch price. The time has gone by when any one having a few old common pigeons in the back-yard can wring their necks and send them to market. They must be "just so" now, or no sale.

If you have 100 slick juicy squabs and wish to send them to market, get up bright and early in the morning and kill them before the old birds are fed, so that the crops will be empty.

One smart man can attend to 1,000 pairs.

Bowel trouble in pigeons is usually the result of improper feeding, filthy water and crowding.

In the breeding of pigeons it is well to remember that size is influenced largely by the female.

It is the short-sighted and inexperienced breeder that sells poor quality and expects to make a living.

Birds bred from good foundation stock will show their good qualities for several generations to come.

Keep your coop free from feathers. Examine some of them and you will find lice and mites. Burn them and lessen the trouble.

Don't tend your birds on the installment plan and then say there is nothing in the business.

Common sense, care and attention are the only roads that lead to success, and even then you find some thorns by the wayside.

Remember that the pigeon breeder who has spent ten or fifteen years in perfecting a strain of birds, can not sell them at low prices. Get the best from reliable breeders, and you will be better satisfied one year from now.

Some people rush into the squab business, thinking that fabulous sums can be quickly realized. Remember, it takes years of experience and judicious handling to make a success of the business.

Youngsters kept for breeders should be taken from the breeding pen as soon as able to fly well, and placed in a weaning pen; and when three to four months of age they should be transferred to the unmated pen. When a pair mates in this pen it is best to allow them to make one hatch before transferring them to the regular breeding pen, as this insures a proper mating. They can then be moved to the breeding pen, and will soon settle down to housekeeping in earnest.

Sudden changes of weather not only affect the young pigeons themselves, and lower the heat and vitality of the body, but also act in a like manner on the old birds; hence too much care can not be taken in ventilating the loft.

Mismanagement, negligence and carelessness are the cause of nearly all the failures in the pigeon business.

An appetite, and a sharp one, has more to do with making pigeons healthy and keeping them breeding, than the food itself, in one sense.

To breed squabs that will sell in the large market at a premium requires as much skill as to breed show birds.

The nests should be cleaned at least once a month, the floors also; and oftener, if time is not too precious.

Don't buy pigeons because they are cheap.

Don't buy more than you can properly care for.

Don't force matings, if avoidable.

Don't breed for color if large squabs are desired.

Frequently pigeons are afflicted with a wing disease termed rheumatism. The elbow-joint is the joint most affected, probably from being the most exposed, and liable to become chilled. The main symptom is a lump on the wing, fever, etc. To treat a bird so afflicted, remove it to a pen by itself, feed plain food, and carefully pluck the feathers around the affected joint. Paint the swelling with tincture of iodine, when it will gradually disappear.

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On this page are advertisements of pigeons, squab book, furs, feed mills, taxidermy trap and poultry remedy.

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*ADVERTISEMENTS*

*When you write to an advertiser tell him that you saw his card in The Farm Journal. It is to your interest to do so.*


**$$$$ in Pigeons!** Start raising Squabs for Market or Breeding Purposes. Make big profits with our Jumbo Pigeons. We teach you. Large, free, illustrated, instructive circulars. PROVIDENCE SQUAB CO., Dept. J, PROVIDENCE, R. I.

**SQUAB BOOK FREE**

Make money breeding PR squabs. 1917 markets highest on record. Start at once. We teach you how to sell best as well as how to raise. Write at once for this big free book to the founder of the squab industry. PLYMOUTH ROCK SQUAB CO., 300 Howard St., Melrose Highlands, Massachusetts.

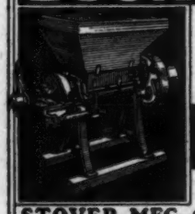
HIGHEST CASH PRICES PAID FOR

**RAW FURS**

We are the fastest growing RAW FUR house in New York—NOW the world's greatest Fur Market. We charge no commission and grade liberally. Write for price list—mailed to you free of charge.

DAVID BLUSTEIN & BRO., 168 West 27th St., New York

**A VALUABLE BOOK FREE**



It tells of experiments in feeding live stock both ground and unground grain, alfalfa and kaffir corn—also shows how 25% can be saved—shows values of different feeds—tells about balanced rations—describes

**STOVER AND IDEAL FEED MILLS**

To get it simply write—*Send me your book LIVE STOCK AND GROUND FEED.*

**STOVER MFG. & ENGINE CO.**

25 IDEAL AVE., FREEPORT, ILL.

SAMSON WIND MILLS. STOVER'S GOOD ENGINE. MAGNETOS. ALFALFA AND ENSILAGE CUTTERS. WOOD SAW FRAMES. WASHING MACHINES. PUMP JACKS. HAND GRINDERS. FIRE PLACE FIXTURES AND HARDWARE SPECIALTIES

**FREE** to Hunters and Trappers Fine Taxidermy Book Now Free. 48p. with hundreds of photos of mounted birds and animals. Learn this profession. Save your trophies. Decorate your home and den.

**Learn to Stuff Birds** animals, game heads, tan furs, make rugs & robes. Quickly learned by men and boys. Big profits from spare time. Intensely interesting. Investigate. Write today for free book. Only a few free—so rush.

NORTHWESTERN SCHOOL OF TAXIDERMY 3519 Elwood Building Omaha, Nebraska

**Cash for Raw Furs**

Make more money out of Raw Furs by getting full value yourself and save middleman's profits. NEW YORK is best market and we pay highest prices for hides of Skunks, Minks, Coons, etc. Ship to us direct. We stand express. MORE THAN 35 YEARS IN BUSINESS. Write for price list and references.

BELT, BUTLER CO. 144 West 26th St., New York.

**TEETH AND TONIC FOR HENS**

**PEARL GRIT** the "Double Purpose Grit" keeps hens healthy and makes them lay. It grinds and prepares the food for digestion and supplies the necessary shell-making and egg-building elements. Write for free booklet.

THE OHIO MARBLE CO. 54 Cleveland St. Piqua, Ohio

**SABO**

Sure Catch Trap

for Skunk, Coon, Possum, Fox, Ground-Hog, Rabbit, Etc.

The SABO TRAP is the best trap in the world either for amateur or professional trappers. This trap is designed to be placed in the animals' burrow; it requires no bait and is positively sure catch first trip in or out; no chance for escape; it catches him over the body; no danger to hunters, dogs or cattle.

Ask your hardware dealer for one. If he has not got them write to us for free booklet which explains the SABO SURE CATCH TRAP.

SABO TRAP MFG. CO., 3120 W. 25th St., Cleveland, O.

**Ship Your FURS to Funsten**

Boys—men—experienced trappers—beginners—**we need skins.** Write for new price list on raccoon, skunk, mink, fox, muskrat and other furs.

**We pay top prices and send money same day we receive shipment.** Thousands send us their catch yearly because they get a square deal from Funsten on one pelt or a thousand.

Write for valuable FREE Trapper's Guide. Gives full instructions on trapping; all Game Laws; prices on steel traps, guns, etc. Send for it today. FREE.

FUNSTEN BROS. & CO. 1268 Funsten Bldg. St. Louis, Mo.

**1c a Day for 30 Hens**

Would you pay it to put your layers in trim? To get eggs in quantities now in December? That's all it costs to condition your fowls, keep them healthy and in a laying humor by feeding

**Dr. Hess Poultry PAN-A-CE-A**

**It Brings Winter Eggs**

So sure am I that Dr. Hess Poultry Pan-a-ce-a will help to keep your poultry healthy and make your hens lay that I have told my dealer in your town to supply you with enough for your flock and if it doesn't do as I claim, return the empty package and get your money back.

Pan-a-ce-a is never peddled. Sold only by reputable dealers. If your dealer does not handle it, write us. 1½ lbs., 25c; 5 lbs., 60c; 12 lbs., $1.25; 25-lb. pail, $2.50 (except in Canada and the far West). For book on Poultry Culture, address

DR. HESS & CLARK
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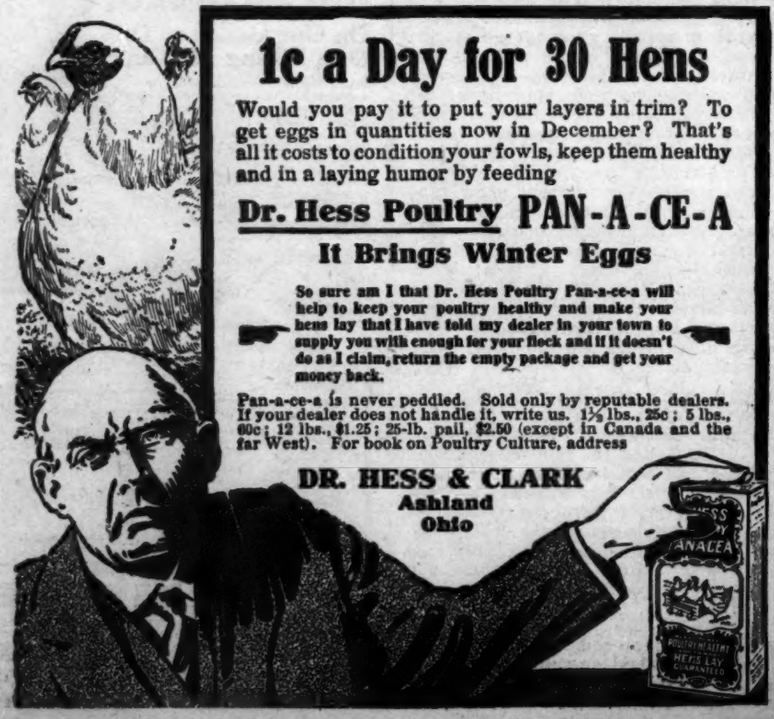

## THE BUSY BEE

BY D. EVERETT LYON

*Have you a friend who loves bees? A widow lady, or perhaps a deserving young man or woman, living out on a farm? Remember that Christmas is near at hand, and a very acceptable gift would be a Biggle Bee Book, and a five-year subscription to The Farm Journal. That would cost you but $1.25, and what joy you would bring to that household! Try it. If desired, book and paper can go to different addresses.*

Well, the busy bees are snugly tucked away and fast asleep, and it's a mighty comfortable feeling to know that they were thoroughly prepared for their winter quarters, with little prospect that any of the colonies will perish.

If dead bees, etc., have accumulated about the entrance of any of the hives wintered outdoors, it is well to brush them away, but under no conditions open the hives or fuss with the bees, as the less they are disturbed the better off they will be.

I note that the bee supply houses are offering liberal discounts to those who secure the coming season's supplies at this time, and apart from the dealer's desire to dispose of his supplies now and save himself from the rush later on, now is a good time to secure one's supplies, as the idle weeks of winter offer splendid opportunities for putting hives, frames and sections together.

By all means buy your hives and frames in the flat, as it means a large saving in price, and each part is so perfectly made that it fits into another with just a little pressure.

It's a good thing to have all hives set together and ready for new swarms or artificial increase long before they are needed.

Each section super should be filled with sections and full sheets of foundation in each section. Then when the time comes to put these supers in place they are all ready. Truly a stitch in time saves nine.

Sort over the extracting frames and see that they are in good shape; those that are filled with a large area of drone comb, put aside, and if not needed melt up; few beekeepers realize the value of good worker combs.

While drone combs will do for the extracting supers, still it is better to have all the frames filled with good worker combs in case they are needed later on for the brood nest.

How can the evenings be better spent than to sit, with slippers on, before the big log fire in the sitting-room, and spend the hours in reading bee literature that during the rush of spring, summer and fall has accumulated?

Read what the other successful fellow is doing, for beekeeping is a progressive profession, and many new wrinkles are being discovered that mean short cuts to success.

Be wary about many of the new contraptions offered for sale which promise to prevent swarming, or to lure wild swarms into the hives.

While there have been many improvements in bee fixtures, and many new methods which have proved their worth, still the habits of the bees have remained the same, and the fundamental things essential to success are about as they were years ago.

The Department of Agriculture, at Washington, has issued for free distribution some good literature on beekeeping, and these pamphlets constitute a helpful volume on the subject, and are reliable, as the government has a magnificent corp of experts at work. Suggestions are given as to honey plants which may be made to grow in different sections of the country. Often it is worth while to look into these matters, when it costs you nothing to do so except the stamp to mail the letter.

Honey, whether comb or extracted, is bringing good prices, and this is the natural season of the year when it is consumed by the general public. Much spare time can be profitably spent in disposing of what surplus may have been left on hand.

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On this page are advertisements of honey, ropes, drillers, fencing, roofing, mills and cutlery.

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ADVERTISEMENTS

*When you write to an advertiser tell him that you saw his card in The Farm Journal. It is to your interest to do so.*

**MONEY IN HONEY** Bees Pay Easy, interesting work. Latest Methods of bee-keeping told in 24 page "Bee Primer." Send 25c for new 3 months subscription, primer, and bee catalogs to AMERICAN BEE JOURNAL, Box F, Hamilton, Ill.

**STARS MAKE DOLLARS**

If you're a man of energy and business ability, here's an opening worth consideration. There is a great demand for drilled water wells, and there's large sure profits to the man with a

$200 to $600 Starts You in Business

**STAR DRILLING MACHINE**

*Portable—Steam or Gasoline*

Best by test. Low in price, high in practical worth. You can make it pay for itself and earn dividends all the time. Look into this! Sold on payment plan if desired.

Our 140-page catalogue describes 21 different Star Outfits. Write us and we'll mail you this book which will point the way to money making. Write to-day.

Star Drilling Machine Co.
547 Washington St.,
Akron, O.

**SUPERIORITY**

Blue Ribbon Winners are like the better grades of Rope and Binder Twine—worth more because of high quality.

**COLUMBIAN Rope and Binder Twine**

are superior because every foot of Columbian is made from high quality long fibre—honestly and carefully manufactured into Rope and Twine.

*The satisfaction you get from using Columbian will make you a constant user.*

COLUMBIAN ROPE CO.
220—250 Genesee St., "The Cordage City," Auburn, N. Y.
Branches: New York : Chicago : Boston

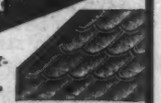
**Best Roof for House or Barn**
Montross Metal Shingles—Fire, Lightning Storm-proof. Free illustrated booklet and testimonials. A record for over a Quarter Century. Montross Co., Camden, N. J.

**FARM FENCE**
14¾ CENTS A ROD for a 26-inch high fence; 21½c. a rod for 47-in. 81 styles Farm, Poultry and Lawn Fences. Low prices Barbed Wire.
FACTORY TO USER DIRECT.
Sold on 30 days FREE TRIAL.
Write for free catalog now.
INTERLOCKING FENCE CO
Box 127 MORTON, ILLS.

**ROOFING**
At Rock-Bottom Prices
Get Our Freight Paid OFFER

Don't consider investing your money in roofing, ceiling, siding, etc., until you have received our Roofing Book which quotes

**Lowest Prices Ever Made on Dependable Roofing**



"Reo" Metal Cluster Shingles

We sell direct to you from the largest sheet metal plant in the world. We save you all middlemen's profits. We prepay freight and give you a binding guarantee against lightning losses. Send coupon for free book—and read our proposition in full.

Spanish Metal Tile

**Lightning-Proof, Fire-Proof and Rust-Proof**

Edwards Tightcoate Roofing can be bent, twisted, or struck with lightning, and galvanizing will not crack or flake. Bend it or hammer it, you can't loosen or scale galvanizing. This means an everlasting galvanized roofing that will last as long as building.

Corrugated Sheets

Edwards Patent "Grip-Lock"

**GARAGE** Lowest price ever made on Ready-Made Fire-Proof Steel Garages. Set up any place. Postal brings Garage Book showing all sizes, styles, etc. $69.50 and up

**"REO" Metal Shingles** are rust-proof on edges as well as sides. One man can lay them. They interlock; cannot come off. Nail holes all covered by upper layer. Forever wind and weatherproof.

Hammer and nails only tools needed.

**Samples FREE** Send coupon for World's Greatest Roofing Book and Free Samples. Book will convince you that we can save you a lot of money on any kind of roof you need, also on ceiling, siding, wallboard, etc. Fill out coupon and mail today. Ask for Book No. 1251.

The Edwards Manufacturing Company,
1201-1251 Pike Street, Cincinnati, Ohio

**BARGAIN BOOK COUPON**

The Edwards Manufacturing Company,
1201-1251 Pike Street, Cincinnati, Ohio
*Largest Makers of Sheet Metal Products in World*

Please send FREE Samples, Freight Paid Prices and World's Greatest Roofing Book No. 1251.

Name.....

Address.....

**"ENTERPRISE" MILLS**

Grist Mill, $3.00

have been developed to high perfection in fifty years' experience, and are absolutely standard.

**The Grist Mill**, $3.00, is especially adapted for reducing grain of all kinds for feed for stock or poultry, or for kitchen use. Grinds corn, wheat, rye, peas, roots, bark, salt, etc. Runs easy and always gives good results. Capacity, ¾ bushel corn per hour, $3.00; 1¼ bushels, $5.00; 2 bushels, $7.00.

**The Bone, Shell and Corn Mill** is designed for general farm use, as well as for converting bones (dry), shells, grains and other materials into feed. For example, grinding bone (dry) for fertilizers. Height, 17½ inches. Compact, strong, durable. Easy turning. Capacity, 1½ bushels corn per hour. To fasten on wall, $7.50. With crank, instead of wheel, $7.00.

Bone, Shell & Corn, $8.50

*Your dealer can supply "Enterprise" Mills. Write us for Feed Mill Catalog.*

THE ENTERPRISE MFG. CO. OF PA, Dept. 51, PHILADELPHIA.

Exact Size

**75c KNIFE for 58c**

Postpaid. 5 for $2.50. Best 7-inch shears 60c. This knife and Shears, $1. Best hollow ground razor, with strop, $1.32, postpaid. Every R. & G. blade is hand-forged from razor steel, file-tested, warranted. Send for 100-page free list and "Reed to Use a Razor."

MAHER & GROSH CO.
636 A Street,
TOLEDO, - - OHIO

## ABOUT HOME-MADE DYES

BY KENDALL PERRY

*Some Hints From Grandmother's Experience*

THE high price and scarcity of foreign dyestuffs will drive many housekeepers to the old-time home-made dyes of grandmother's days.

The bright yellow or canary color used for cotton goods in bright colored rag carpets, can be made by boiling twigs of crabapple trees in soft water.

A deeper yellow-orange color is obtained by the simple method of boiling five cents' worth of copperas in water enough to make one pailful. This gives a dull sage-green looking hue, which changes to orange color after dipping the rags in a weak solution of lye water. After wringing these out, shake and expose them to the sun and air; at first the color will not be bright, but as the rags dry the color comes out a strong lasting orange.

For blue color use the liquid bluing in bottles. And if green is required, after securing a good shade of blue, redip the fabric or rags in the yellow dye.

For a pretty pink shade, needed for ribbons or woolen hoods, soak a sheet or so of bright red crepe paper in water; let it lie in soft water quite a long time. Then squeeze out all the pulp. You can make any pink shade of dye by this process.

A very good shade of linen color, suitable for motor coats and dusters, is made by twisting hay into a rope or coil, placing it in a pail, and pouring boiling hot water over it; let it steep until cool, then drain off the liquid and use at once.

Walnut hulls, and also a decoction of logwood chips, give a very fine brown color.

For dove and slate color, in an iron vessel boil a teacupful of black tea, with a teaspoonful of copperas and sufficient water to extract and dissolve. Afterward dilute with water to the shade desired.

For purple, for each pound of goods use two ounces of cudbear. Rinse the goods well in soapsuds, then dissolve the cudbear in hot suds—not quite boiling—and soak the goods until the required color is obtained. The color is brightened by rinsing in alum water. *Iowa.*

## A YANKEE WOMAN'S NOTES

If boys and girls fail to make good in this day and generation it is not for lack of intelligent aid. What with vocational schools and bank supervision of agricultural clubs, and the government and the Granges lending a hand, the way of the rural lad and lassie is being well lubricated.

Cooperation is the order of the day. How about it on the farm and in the farm home? Somehow, it seems as if the problem of the children leaving the farm would be solved if they are allowed to enter the partnership, for they always hate to desert things of their own. A hired hand can not be depended upon to stay; a partner hardly ever deserts.

Do you know the names of the signers of the Declaration of Independence—that is, without looking the matter up? Or how many there were? Which one was a cobbler? Which was a minister? Which one lost his life in a duel? Which one died a Vice-President of the United States? Who was the youngest and what was his age? Here is a good stunt in answering national questions.

If you do not own an automobile keep the buggy well painted and fixed up. It makes for self-respect to have a clean, handsome conveyance, and it's a job that can be done at home by any handy man. On Sundays, especially, it makes for happiness to have a nice buggy spick-and-span and up to date in which to go to church, and this adds much to your standing in the neighbors' estimation.

We hear a good deal about intemperance, and we all know its evils. But intemperance in eating has also slain and wounded its thousands. Those who overeat are committing slow suicide. Furthermore, they lose much of the zest and enjoyment of life, for heaviness and apathy follow the gormand and prevent his living a free and vigorous life. Two good rules for happiness: Touch not alcoholic drinks; be temperate in eating.


On this page are advertisements of water wheels, sanitary closet, army goods, engines, wagons and scales.

*ADVERTISEMENTS*

*When you write to an advertiser tell him that you saw his card in The Farm Journal. It is to your interest to do so.*

**FITZ**
**Steel Water Wheels**
Electric light the farm from a very small stream. Booklet tells how. Sent FREE.
Fitz Water Wheel Company
104 George St., Hanover, Pa.

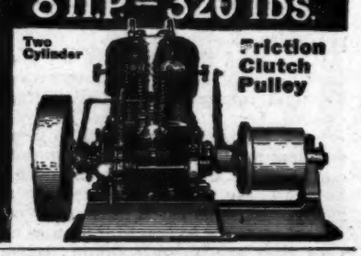
**HAVANA FARM TRUCKS**
The Farm Truck that meets the tired laborer half way. It gets down to his level; it's a great burden bearer. Winter and Summer are all alike to it. Always ready for its load. It will help increase your Bank Account. Get our free Catalog of Steel Wheels & Farm Trucks.
Havana Metal Wheel Co., Box 57, Havana, Ill.

**Indoor Closet**
**More Comfortable, Healthful, Convenient**
Eliminates the out-door privy, open vault and cesspool, which are breeding places for germs. Have a warm, sanitary, odorless toilet right in your house. No going out in cold weather. A boon to invalids. Endorsed by State Boards of Health.
**ABSOLUTELY ODORLESS**
Put It Anywhere In The House
The germs are killed by a chemical process in water in the container, which you empty once a month. Absolutely no odor. No more trouble to empty than ashes. Closet absolutely guaranteed. Write for full description and price.
ROWE SANITARY MFG CO. 1280A ROWE BLDG., DETROIT, MICH.
Ask about the Ro-San Washstand—Hot and Cold Running Water Without Plumbing

**ARMY AUCTION BARGAINS**
Saddles, $3.00 up. New uniforms, $1.50 up. Army 7 shot carbine $3.50; cigcs. 1½c each U. S. R. Winchester high power rifle 6m/m, $6.85 Team harness $21.65 up. C.W. Army Revolvers, $1.65 Remington Army Revolver, $4.85; cigcs. 1c each Mauser High Power rifle with 200 cigcs. $19.85 15 Acres Government Auction Goods Bargains illustrated and described in 420 large page wholesale and retail cyclopedia catalogue, mailed 25c east and 30c west of Mississippi River.
FRANCIS BANNERMAN, 501 BROADWAY, NEW YORK

**4 H.P.–190 lbs.**
The 4 H. P. Cushman Handy Truck is the most useful outfit ever built for farm work. Engine weighs only 190 lbs., and entire outfit only 375 lbs.
Besides doing all farm and household jobs, this 4H. P. Cushman may be lifted from truck and hung on rear of binder during harvest to save a team. In wet weather it saves the crop.
**Light Weight Cushman Engines**
Built for farmers who need an engine to do many jobs in many places instead of one job in one place. Throttle Governed, with Schebler Carburetor. Run very quietly and steadily—not with violent explosions and fast and slow speeds like old-style heavy-weights. Engine Book free.
CUSHMAN MOTOR WORKS
876 N. 21st Street Lincoln, Nebraska

**8 H.P.–320 lbs.**



**FARM WAGONS**
High or low wheels—steel or wood—wide or narrow tires. Steel or wood wheels to fit any running gear. Wagon parts of all kinds. Write today for free catalog illustrated in colors.
ELECTRIC WHEEL CO., 12 Elm Street, Quincy, Ill.

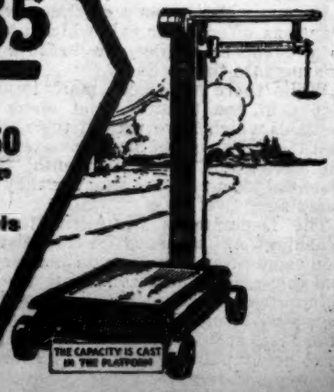
"If it's weighed on a FAIRBANKS there's no argument"

*The Genuine*
**FAIRBANKS**
**Scale-1000 lb. Size**

When you weigh on a FAIRBANKS Scale you don't "guess it's right"—you *know*. Most scales are correct when new, but a FAIRBANKS *stays* correct, because it has

**$14.85**

**500 Lb. Size $12.50**
Both Prices, F. O. B. Chicago
Large Platform
Wide Wheels
Steel to Steel Bearings and Arrow-tip Beam




*Go to Your Local Dealer*—see the scale and you'll buy it. A reputable dealer selling a reputable scale certainly is a strong combination. If you don't know the local *Fairbanks-Morse* dealer write us.
FAIRBANKS, MORSE CO., Chicago

## JUST A COTTAGE

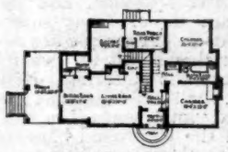
BY WILLIAM DRAPER BRINCKLOE, ARCHITECT

EXACTLY,—just a cottage. But aren't there many of Our Folks who are looking for just that? Of course, our country is grimly prosperous, these war-time days, but I think that most of us are paying pretty dearly for that feverish prosperity, and that it's apt to be the other fellow who really comes out ahead.

For example: We sell our wheat at $1.25 (as I did, and the next day it jumped to $1.53) and joyously put the proceeds

in bank, the amount being, say, $500 more than last year. Now at last we'll build that house. But the bids run up a cool thousand more than the ones we got on the same plans last year! We can't understand it, until the builders tell us how building materials have jumped in price, "because of the war." And so it is that many folks to-day are forced to content themselves with "just a cottage" instead of the larger home they had first planned.

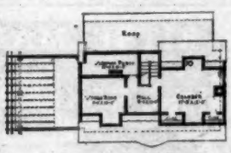
Here, then, is a modest little home, yet wonderfully comfortable. A large living-room, with dining alcove at one end; two bedrooms; bath; kitchen and pantry; besides plenty of porches. Upstairs are two more rooms, toilet and sleeping porch.



*First Floor Plan*

The outside walls are shingled; so is the main roof. There is a cemented cellar under a large part of the first story, holding the hot-air heater. The inside house walls are finished in wall-board, painted a soft buff tone, with white woodwork. A septic tank takes care of the sewage; a pressure tank and gasoline engine attends to the water-supply; a gas-tank furnishes light and fuel.

You might omit the plumbing, the gas-light, the heat, etc., which would cut the cost very considerably, of course. Still, this house is being built, in Northern Virginia, about twenty-one miles below Washington, at a total expense of $4,000 for everything but the bare ground. But I don't guarantee that you can build it for that; prices are still soaring and no one can say what to-morrow may develop.



*Second Floor Plan*

[NOTE: The architect will be glad to answer questions about this design, if a stamped and self-addressed envelope is enclosed. Address, WILLIAM DRAPER BRINCKLOE, Architect, Easton, Md.]

### TOO MANY THINGS

It is not money so much as good taste that is needed to make homes attractive. Most of us have too many things in our houses already. The living-room—people do not have parlors nowadays—should be a magnet which draws all the family together in the evening, and for this it does not need, and is better without much furniture, but it does need a look of comfort and harmony. In winter, an open fire, if possible; a big reading table in the middle or a smaller table at one side with a good lamp; magazines, books, games, comfortable chairs, a restful couch; and pillows made for use, not show. Plain wall-paper of a cheerful tint will make the room look larger and be a better background for pictures than if figured. Bulbs planted in pots add attraction from the time they push up through the soil until they hang out their flowers.

On this page are advertisements of lanterns, paint, fence, engines, furs and wood.

*ADVERTISEMENTS*

*When you write to an advertiser tell him that you saw his card in The Farm Journal. It is to your interest to do so, as Our Folks are treated honestly and served with the best. Read the Fair Play notice on the first page.*

ACORN UNI-LITE FREE

Turns night into day. 800 candle power. Carry as a lantern; use anywhere as a lamp. Weather proof. For house, barn, garage, camp and around the farm. Write for big, free offer. Special opportunity to farmers, stockmen and motorists. Agents make big money. Write tonight for new 1916-1917 offer. ACORN BRASS MFG. CO., 633 Uni-Lite Bldg., Chicago

# Paint Without Oil

## Remarkable Discovery That Cuts Down the Cost of Paint Seventy-five Per Cent.

### A Free Trial Package is Mailed to Everyone Who Writes.

A. L. Rice, a prominent manufacturer of Adams, N. Y., has discovered a process of making a new kind of paint without the use of oil. He calls it Powdrpaint. It comes in the form of a dry powder and all that is required is cold water to make a paint weather-proof, fire-proof, and durable for outside or inside painting. It is the cement principle applied to paint. It adheres to any surface, wood, stone or brick, spreads and looks like oil paint, and costs about one-fourth as much.

Write to Mr. A. L. Rice, Manufacturer, 3 North Street, Adams, N. Y., and he will send you a free trial package, also color card and full information showing you how you can save a good many dollars. Write today.

HIDES and FURS, Highest Prices on Request. DEAN B. FURST, Lock Haven, Pa.

TRAPS AND GUNS AT FACTORY COST

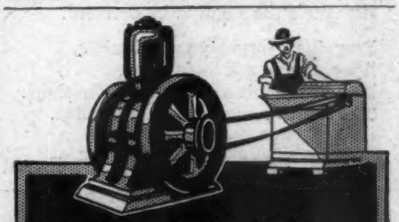
We pay highest prices for Furs and sell you Guns, Traps, Supplies, etc., AT FACTORY COST. Write for FREE CATALOG, TRAPPERS' GUIDE, and Fur Price List. E. W. BIGGS & CO., 112 Biggs Building, KANSAS CITY, MO.

AGENTS MAKE MONEY SELLING STEWART IRON FENCE

GREAT OPPORTUNITY FOR LIVE MEN - INVESTIGATE

THE STEWART IRON WORKS CO

321 STEWART BLOCK - CINCINNATI, OHIO



Your Engine will develop greater power *when you install*

McQUAY NORRIS

LEAK-PROOF PISTON RINGS

Save oil and motor wear.

Get them from your supply dealer. If he hasn't them—write us. We'll see that you are supplied. Send for FREE book—"To Have and to Hold Power."

McQuay-Norris Mfg. Co.

2822 Locust Street St. Louis, Mo.

# CYPRESS "The Wood Eternal"

is undoubtedly the best material from which to make stable or garage floors, or for planking in the cellar, or sills for the barn. This is so because moisture has practically no effect on this remarkably enduring wood. Heart Cypress is almost "ROT-PROOF" and it is universally conceded that Cypress shrinks and swells ("comes and goes") as little as any wood that ever grew. Paint it or not—as you wish. It lasts and lasts and lasts—anyhow.

Let our "All-round Helps Dept." help YOU. Our entire resources are at your service with Reliable Counsel. We invite Correspondence with a serious purpose in it.

**Southern Cypress Manufacturers' Association**

117 Hibernia Bank Building, New Orleans, La., or 117 Heard Nat'l Bank Bldg., Jacksonville, Fla.

INSIST ON CYPRESS AT YOUR LOCAL LUMBER DEALER'S. IF HE HASN'T IT, LET US KNOW IMMEDIATELY

## PROPHESYING

BY GRAYDON GRAY

Most men who try to be prophetic
Fail in a manner quite pathetic.
They prophesy a panic coming,
And business keeps on a-humming.

They prophesy an open winter,
And it's so cold the tree trunks splinter;
They back their judgment on the races,
And wander home with solemn faces.

They start to get in wheat a corner,
And come out wiser and forlorner;
They bet that Binks will be elected,—
His vote's too small to be detected.

Pray don't forget, ye prophesiers,
Appearances are awful liars.
Remember this and shun the dip-shop:
The future's sure to turn a flip-flop.

## MONTH BY MONTH ON THE FARM

BY A NEBRASKA WOMAN

There are times, and other times, in farming life.

I like the country life. I like to have plenty of sky above me, plenty of ground around me. I like to live independently; to grow my living in the garden, rather than buy it at the grocery store. I like to be a producer and with the producers stand. I enjoy my privilege of wearing old clothes, and even patches if I choose or must, without getting up a sensation in the block or causing a settlement worker to drop in for a friendly call. It's a good life, a healthful life, a natural life. No crowding, no pushing, out here. No danger that one man's success means another's failure.

Yet, as I said, there are other times, and this is one of them. To-night I long for something that isn't here.

When I was younger, and had studied too long or worked too hard, I would seek my bosom friend and propose that we "have a tear" (pronounced tare). Said tear was a harmless frolic, a long stroll, or sometimes even went to the extreme of a trip to the candy shop. Whatever it was, it met the need.

Some need in me cries out sometimes for what I have not: Some song, not of the birds but from a human throat, that wrings the heart with human sympathy; some music played, not by my own fingers but by another's; some thoughts of other people's, spoken aloud to break the tenor of my own musings. Or I'd like to sit in some beautiful church and listen to the thrilling tones of a pipe-organ, with the church bell chiming in with the prelude; or laugh over a really good comedy; or drop a tear with Juliet when the lights are low. Or perhaps I'd just like to go ranging down a city street when the crowded evening hour is on and people are thick. People, just common people, are lots of company, but we do not have them very thick out here in the sand-hills.

Music, art, the drama, are good to me, and I wish I might have a bit of one or the other.

I have before me a description of a rendition of the "Creation." In fancy I listen as the chorus of 500 voices chants: "The heavens declare the glory of God, and the firmament showeth His handiwork."

I *almost* hear it, and it moves me extremely.

But out there is the firmament, and truly it showeth His handiwork. The evening star gleams brightly, the myriad worlds twinkle at me as they roll on, the earth drops away as I gaze at the star-dotted blue,—and I stand face to face with the Universe.

But it is time to mix the bread. Blessed be the bread. It keeps me from brooding too long.

BLOOD MONEY

"Do you hear them crying, O my brothers?"

Not the children out here in the country, but the poor little calves, shivering and starved. They have been robbed of their birthright and given little nourishment in place of it, so that a cream check may come to help out family expenses, and the overrun enable the creamery company to grow from small to large, from an independent company to a trust with very large offices, containing many stenographers, many desks and typewriters, and a manager whose appearance in every detail is just the opposite of the poor little calf that helped to build up the big business.

The creamery magnate is plump and well fed; the calf is thin and starved. The one is comfortable, the other is wretched. The one is warm on raw days of late winter and early spring; the other is shivering because its baby body is too poorly nourished to have much warmth in it. The one will look smooth and well-preserved when his years multiply; the other will bear the marks that characterize age when it is in its first summer, and germs of tuberculosis are quite likely to thrive in its misshapen body.

Yet it is futile to blame the creamery man. He does not hear the bawling of the wretched calves out on the farms.

My father used to say that many a poor little calf had been knocked in the head with the churn-dasher. He once offended a farmer by asking him what he got for calves dried on the hoof as his were. "They're just as good as anybody's calves," was the indignant rejoinder. I hear many people say that, and they may believe it themselves; but the calves know better, and their looks prove that you can not take all the good out of milk and sell it, and raise beef on the water that is left.

Last October I saw a calf that was born in March which looked as if it had not grown any since it was born. It reminded me painfully of a poor little baby I once saw that had been ill from birth and was near death; its poor little face was lined with the appearance of age. This stunted calf was like an animal decrepit with years, its back bowed, its head hanging, its gaunt frame covered with roughened hide that looked weather-worn and diseased. At that time calves that had run with the mothers were selling for $30 a head, but a buyer would not take this one at all. It was utterly worthless as breeding stock, and the amount of cream stolen from it had not brought anywhere near $30, after all the work of milking, delivering the cream, washing separator and milk vessels, going to the trouble of keeping the calf separate from its mother, and making a pretense of "feeding" it with separated milk. The high-strung hum of the separator sings a doleful tune, a song of blood-money that has been the dirge of many a calf. Too many farmers have killed the goose that laid the golden egg, and some who have found out the mistake have bought another goose and started over on another plan.

One of these, a neighbor, tells me that for a number of years he and his wife milked fifteen cows and were slaves to the milk-pail and the separator. He thought that was the way to make money. He lost so many of the calves, and those that lived were of such poor quality, that he ran out of stock and had to buy to keep his herd up. Then he awoke and let the calves do the milking, and now is making more money and making it easier than he did before. He tells me that he thinks he would have been ahead if he had never sold any cream. There are some fine dairy cows that will give all the milk a calf can take and enough to feed a family besides; but we do not have many of that kind in the West, and if we had them the handling and feed, or rather lack of feed, would soon reduce the milk-flow.

If you can get at the truth you will find that many of the "yearlings" put up at sales are really two-year-olds, and the two-year-olds are three. That shows what hard living does. If people are determined to milk they ought to "veal" the calves and save the suffering. Now they are huddled, the starvlings that are heartlessly dubbed "knot-heads," in wet, dark barns, with the chill wind blowing through cracks, so that some city folks who can pay the price may have creamery butter on the table. Humane people would lessen suffering if they would refuse to buy butter made at such a cost. If they would do this the demand for cream would decrease, the price would automatically fall, farmers would quit milking, calves would grow into beef, and possibly more women and girls would stay on the farm. A little less drudgery, a little more figuring with a lead-pencil, and a whole lot more humanity, would make farm life better for man and beast—and perhaps for women, too.


**FREE FARM ACCOUNT BOOK.**

Elsewhere in this issue an advertiser offers to send free a 64-page account book. The book is arranged to keep all accounts in simple form; shows how to charge against crop production; has a laborer's time record and section for personal accounts. Look up the advertisement and write a postal card to the advertiser, not to us, and get this book. You will find it useful—*Adv.*

# Here's Twice As Much For Your Underwear Money

This wonderful Hanes Underwear is plumb full of value. It has everything you want—warmth, comfort, fit and wear, at a price you want to pay—65c a separate garment or $1.25 a union suit.

Buying Hanes Underwear is like buying cream at milk prices. It's cotton all the way through—soft, clean, warm, sweat-absorbing cotton. It's honest and sensible—no fancy touches—just the biggest load of value that sixty-five cents or one dollar and twenty-five cents ever carried.

### *Hanes Union Suits, $1.25*

have a comfortable Closed Crotch that stays closed; Elastic Shoulders with Improved Lap Seams which "give" with every motion; a Snug-Fitting Collarette which always keeps the wind out of the neck; Improved Cuffs at wrist and ankle which hug close and do not stretch out of shape; and every button is a good Pearl Button.

### *Hanes Separate Garments, 65c*

have Double Gussets to double the wear; a Comfortable, Staunch Waistband; Improved Cuffs which hug the wrists and won't flare out; a snug Elastic Collarette which never gaps; Elastic Shoulders with Improved Lap Seams which "give" with every motion.

Pre-shrinking keeps all Hanes Underwear elastic and true to size and shape.

**Read This Guarantee**

*We guarantee Hanes Underwear absolutely—every thread, stitch and button—We further guarantee to return your money or give you a new garment if any seam breaks on any piece of Hanes Underwear.*

No more darning or patching—no more frayed and "holey" underwear. Did you ever hear of such underwear anywhere under $2 a suit? We never did. See a Hanes dealer. If you can't find one, write us.

**P. H. HANES KNITTING COMPANY**
WINSTON-SALEM, N. C.

This Label on Every Garment
HANES
Buy None Without It

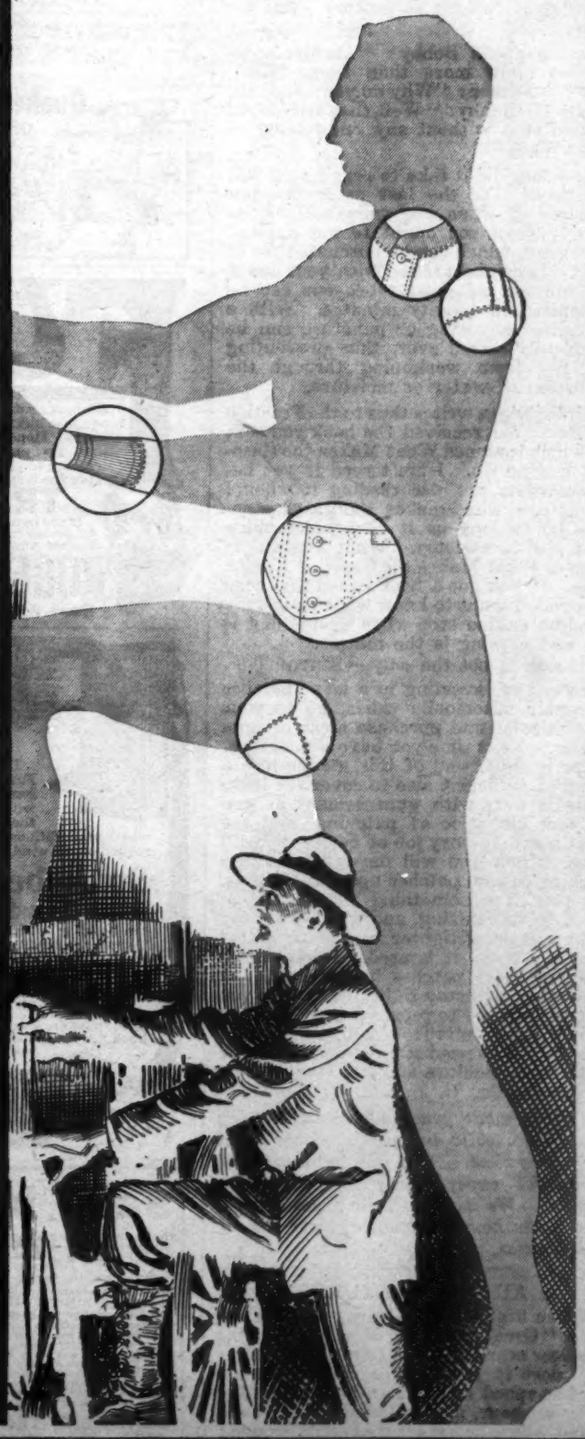
Warning to the Trade—Any garment offered as Hanes is a substitute unless it bears the "Hanes" label.

65c per Garment

# HANES

$1.25 per Union Suit

ELASTIC KNIT
# UNDERWEAR



## POWER PERPLEXITIES

*GASOLINE—ELECTRICITY—WATER*

**A new department for problems relating to farm tractors, motors and engines**

*[This is the beginning of a department which we hope to make of great use to Our Folks. "Practical information," to all who stand in need of it, will be its keynote.]*

A FARM tractor, if a good one and well cared for, should last six to eight years. But you can run through with it in half of the time if you try.

If, when cranking an automobile, the thumb is kept in the palm of the hand there will be much less danger of getting a broken wrist from a back-fire.

In selecting a tractor get some standard kind, made by a reputable, well-established company. Or sooner or later you may find it difficult to procure parts for repairs.

Four-year-old Bobby: "Daddy, automobiles know more than horses, don't they?" Father: "Why do you think so, Bobby?" Bobby: "Well, they drive right up and stop without any one having to say, 'Whoa!'"

How long did it take to repair your last puncture? Did the last patch you put on come off when you were half way to town? Then you ought to get a small vulcanizer, which can be purchased for $2 or $3. It can be carried with you, and if you run out of good tubes one can be vulcanized in twenty minutes. With a vulcanizer any snag or puncture can be completely seared over, thus preventing the tire from weakening through the admission of water or moisture.

Hiram Diggs writes thus to the Traction Bulletin: "I received the book you sent me which is named What Makes the Gasoline Engine Go. I ain't read it yet because whats the use reading it when I I dont care what makes the gasoline engine go as long as it goes which mine dont only accasionly. What I want to know is What Makes the Gasoline Engine Stop. If you got a book called that send me one. I want to know what makes my gasoline engine stop when everything is o k and nothing is the matter."

[Hiram is not the only.—EDITOR.]

Instead of investing in a lot of patches to repair automobile tubes, go to your repair dealer and purchase a can of gum mastic. Next time you have a puncture, shape a small wad of this mastic into a patch of sufficient size to cover the leak, paste it over with gum cement as you do your old style of patching, and see what a satisfactory job of patching you'll have. Then you will never go back to sticking cut-out patches upon inner tubes, for you have something that is almost equal to vulcanizing, and which will stay tight and draw tighter to the tube surface the more it is used. I have used many of these patches in the past, and know they will stay tight. Of course you can not expect to repair a large hole or split which results from a bad blow-out; but there is no need of an expensive patch to fix up a puncture leak.

*Hancock Co., O.* GEO. W. BROWN.

*Tell us what you know about keeping your automobile in good running form for a long time. Also give practical and successful experience with your farm tractor. We want to hear from experts who know how to conquer these Power Perplexities.*

## AUTO ADVENTURES

When first a fellow learns to drive, he says, "Great Scott and Man Alive! This heedless scorching is a crime; it's 'careful' does it, every time. Because one's car has speed and power, he hits up fifty miles an hour, and in the gloaming he is found, where he has hit the fertile ground; his car, a torn and tangled wreck, its fragments wrapped around his neck. Since I have all the time there is, I don't intend to scorch or whiz. I'll jog along a steady gait, and try to keep my head on straight." At first he travels sanely slow; but after seven weeks or so, he hurries up his choo-choo cart, and tries to tear the roads apart. Then I, and other idle rich, behold him seated in a ditch, the steering gear pushed through his hat, and with a broken leg or slat. We comb the castings from his hair, and take him to the surgeon's lair. He says, while bones are being set, "I'll get another car, you bet! But no more scorching will you see—six miles an hour will do for me!" WALT MASON.

[Copyright by The George Matthew Adams Service.]

On this page are advertisements of seeds, furs, mills, auto club, engines and telephones.

*ADVERTISEMENTS*

*When you write to an advertiser tell him that you saw his card in The Farm Journal. It is to your interest to do so, as Our Folks are treated honestly and served with the best. Read the Fair Play notice on the first page.*

**Quaker City Feed Mills**

Grind corn and cobs, feed, table meal and alfalfa. On the market 50 years. Hand and power. 23 styles. $3.60 to $40. FREE TRIAL. Write for catalog and farm machinery bargain book.

THE A. W. STRAUB CO.
Dept. H-3746 Filbert St., Philadelphia, Pa.
Dept. Q-3704 S. Ashland Ave., Chicago, Ill.

**FURS**

Highest spot cash prices for furs of all kinds, also hides and roots. NO commission charged. Honest grading. Square treatment. You get every single penny that's coming to you. Old established reliable fur house. Unlimited facilities.

**TRAPPERS**

If you have furs, ship them to us at once. Or get our free price list and shipping tags. But act quick.

**ROGERS FUR CO.**
Dept. 602 St. Louis, Mo.

Telephone **Power** to Spare

To have good Service on the Farm Telephone Line you must have a Powerful Telephone with good sturdy equipment—then you are independent of weather conditions. You can talk—and hear—regardless of wind, rain and snow.

**Stromberg—Carlson**
**Independent Telephones**

are built by a firm which has been building Telephones for 24 years and which backs with its reputation and good name every single one of the 2,500,000 instruments it has turned out in that time.

How you and your neighbors can co-operate to organize, build and maintain your own Farm Telephone Line are some of the things told in our Free Book "A Telephone on the Farm, Edition 1-B." Send postal for your copy—NOW.

Stromberg-Carlson Telephone Manufacturing Co.
Rochester, New York

**CLOVER CHEAP**

Now is the Time to Buy

Crop very short. Buy before advance and save money. Get our special low prices and free samples of our pure, Iowa Grown, New Crop Recleaned **Tested Clover** and **Timothy** Seed. Also Alfalfa, Alsike, Sweet Clover. All kinds grass seed. 100-page catalog free, quoting all field seeds. Save money by writing at once.
A. A. BERRY SEED CO., Box 109, CLARINDA, IOWA

**OVERLAND AUTOMOBILE GIVEN**

You can become the owner of this $635 Overland Auto, latest 1917 Model, without one cent of cost. If you want a car send us your name asking all about our wonderful plan by which we give automobiles away. **Send no money—just your name.**
CORN BELT AUTO CLUB, Waterloo, Iowa
673 Jefferson Street

$635 OVERLAND

**TAYLOR WILL PAY YOU MORE FOR**

**PRICES HIGH SHIP TODAY**

We have a big demand for all kinds of furs. Ship at once while market is good. Don't delay. A postal card request will bring you our new catalog booklet "Opportunities for Pleasure and Profit in Trapping" also price list, shipping tags, etc. ALL FREE. Write today.

**F. C. TAYLOR FUR CO.**
400 FUR EXCHANGE BLDG.
ST. LOUIS, MO.

**Save Money Now**

3 Big Special Offers

This new outfit complete with 4 to 6 H. P. Engine Only $197.50 Or Engine only 6 to 8 H. P. $123.75

You can get the wonderful HEAVI-DUTI engine now at lower prices than ever before. Owing to our special offer you can buy a HEAVI-DUTI engine at a lower price than you have to pay for cheaply built, cheaply gotten up engines. This remarkable offer is made to readers of The Farm Journal to introduce these engines into each and every locality. An engine will do more talking for us and more advertising for us than we can do any other way. When you see our catalog and learn how this engine is made; learn how simple it is; when you see how durable it is, you will wonder how we are able to make the remarkably low price, and the answer is to introduce it—to advertise it. Where one is sold, hundreds follow. We will make our profit on the engines that follow. You are the lucky man to get the benefit of this if you act quickly. Do not delay. Write for our catalog and full information today.

4 to 6 H. P. Engine only $98.00
Other Sizes. Equally Low Prices.

**CONSOLIDATED GAS ENGINE CO., 200 Fulton Street, NEW YORK CITY**

## LAW FOR THE FARM

**Breach of agreement to furnish horse to tenant—Disputed boundary, etc.**

*[Legal inquiries from Our Folks may be submitted and will be answered in the paper, each in its turn if of interest to the general reader; but there will be so many questions that printed answers may be long delayed. Those who want an immediate reply by mail should remit one dollar, addressed "Law Department," this office.]* A. H. THROCKMORTON.

BREACH of Agreement to Furnish Horse to Tenant: Where a landlord rents a farm on the shares and agrees to furnish the tenant with a horse and feed, but after a while refuses to let the tenant work the horse, is the tenant entitled to charge the landlord for the use of another horse he has to work in the place of the landlord's?

*Maryland.* A SUBSCRIBER.

Yes. The failure of the landlord to furnish the horse constitutes a breach of his contract, for which the tenant is entitled to damages, and the proper measure of damages is the amount the tenant would be compelled to pay to procure another horse for the time required.

Disputed Boundary: I have been in possession of land up to a fence between myself and my neighbor for twenty-five years or more. Now my neighbor has had a survey made and wants to move the fence over on the land in my possession, on the line called for by his survey. Is he entitled to do this?

*New York.* L. R.

The general rule of law is that possession of land up to a fence for the period required by the law to obtain title by adverse possession, with claim of title up to the fence, is sufficient to give a good title, and the boundary may not afterward be changed to conform to a new survey. Your case would seem to fall within this rule, and your possession of the disputed strip has been of the character and duration sufficient to give you title to it. If, on the other hand, there had been a mistake in the location of the fence, and the intention on the part of yourself and your predecessors in title was simply to claim up to the boundary shown by your muniments of title, and not necessarily to the fence, no title would have been acquired by adverse possession, and your neighbor would now be entitled to have the fence moved to the boundary shown by a new survey to be the correct one.

Settlement of Estate: Does an estate have to pass through the probate court whether there is a will or not?

*North Dakota.* A SUBSCRIBER.

If the deceased has left a will, the law requires this to be offered for probate, and within the limits allowed by the law, it will determine the disposition of the property. If an executor is named in the will, he may qualify; or, if he declines to assume the office, the court will appoint an administrator. If the deceased left no will, but left debts outstanding or a considerable amount of personal property to be divided among two or more persons, it is usually necessary, or at least advisable, to have an administrator appointed to pay the debts and collect and distribute the personal property or assets belonging to the estate. The administrator, however, has nothing to do with the real estate, unless it is necessary for him to bring suit to have a part or all of it sold for the payment of the debts of the estate. Where there is no will, no outstanding indebtedness that can not be settled by the heirs, no indebtedness to the estate which must be collected from other persons, and the heirs can agree among themselves as to the division of the personal property, there is no necessity for the appointment of an administrator or any other action of the probate court.

**Will there be a Victrola in your home this Christmas?**

Think of the delight of having Caruso, Destinn, Farrar, Gadski, Gluck, Hempel, Homer, McCormack, Melba, Ruffo, Schumann-Heink, Scotti, Tetrazzini and a host of other great artists sing for you!

Think of having Elman, Kreisler, Paderewski, Powell, Zimbalist and other famous instrumentalists play for you; of hearing Sousa's Band, Pryor's Band, Conway's Band, Vessella's Band, Victor Herbert's Orchestra and other celebrated musical organizations; of enjoying the inimitable witticisms of Harry Lauder, Nora Bayes, Raymond Hitchcock, Mizzi Hajos and other leading entertainers.

Who wouldn't be glad to get a Victrola for Christmas! The *only* instrument that brings to you the best music of all the world superbly interpreted by the world's *greatest* artists.

Christmas day and every day, let the Victrola inspire and entertain you!

Christmas isn't too far off to see about *your* Victrola today. Any Victor dealer will gladly demonstrate the various styles of the Victor and Victrola and play any music you wish to hear. Write to us for catalogs.

**Victor Talking Machine Co., Camden, N. J., U. S. A.**

# Victrola

To insure Victor quality, always look for the famous trademark, "His Master's Voice." It is on every Victrola and every Victor Record. It is the identifying label on all genuine Victrolas and Victor Records.

New Victor Records demonstrated at all dealers on the 28th of each month

**Victrola XVI, $200**
**Victrola XVI, electric, $250**
Mahogany or oak
Other styles of the Victor and Victrola $10 to $400

## A BUNDLE OF LIVE WIRE

BY FANNIE M. WOOD

WHAT more could one ask on a long winter evening than a warm, cheerful living-room, good magazines and books? No better time than right now for reading.

If the kitchen is dark, why not add windows to make it bright and cheery? There should be a good light near the kitchen cabinet and the cook-stove.

The glorious winter world holds in store many opportunities for country folks. We have time now to visit old friends and make new ones. This means a better fellowship among our neighbors. Disagreeable? Yes, when the wind from the northwest blows raw and cold; but the winter has many redeeming features.

No class of people deserve improvements about the home more than farmers, and such things are constantly coming more and more within their reach. Heating plants are becoming common in country homes; no more shutting up of the house in cold weather, with the family living, cooking and eating in two or three rooms.

Have you ever noticed the smeary-looking tub or lard can in the back of the grocery where rancid butter goes on its way to the renovator? The difference between this stuff and top-notch butter lies in the handling of the milk and cream and the way the churning is done. There is a right way and several wrong ways to go about almost everything, including butter-making.

## HONOR BIRTHDAY RECORD

*For All Our Folks of Seventy-five or Over*

DEAR FRIENDS: Christmas Greetings! May the bright Christmas star shine upon all and give to each the blessings of health and peace. In our mind's eye we see you by your big open fire, the embers of which are showing the pictures of the past. But you, dear ones, are the real lights, an ever-present guide to those who have traveled but a few miles along the highway of life. Our Birthday Record is continually growing, and we hope that everyone of Our Folks of seventy-five or over will send in his or her name, address and date of birth. It's the one way in which we can link all our faithful ones in a big brotherhood of love.

Affectionately yours,
THE FARM JOURNAL.

## KIND WORDS

Pardon me for taking advantage of this occasion to express my opinion of THE FARM JOURNAL and your methods, as a business firm, of doing business. Compared to my usual business transactions of the present day it has been my happy experience to find the methods of your company like an oasis in the desert. It is a pleasure to have dealings with you. No expense or effort is spared on your part in order that "your folks" shall have a square deal. And when I say "a square deal," that is precisely what I mean. Honesty is the first principle of your company, and your dealings are all given strict care and attention, no matter how trivial the transaction. And last, but not least, you give good values in all your deals. I mention this that you may know your square dealings are appreciated.

I expect to be a subscriber of THE FARM JOURNAL as long as my material body remains on earth; and at every opportunity presented I shall always have a good word for you. It has been my habit to reserve and file away every copy of THE FARM JOURNAL. The thought occurred to me, however, that it was like hiding a good thing, which could do much good if it were put in circulation; and I began handing out each issue of the paper, after a careful perusal thereof, to friends and acquaintances where I think it will be appreciated. Thus I believe I am twice doing good, by passing the magazine on to those who appreciate a good thing, and by incidentally reciprocating some of the kindness and generosity of the publishing firm by introducing it to new subscribers.

*Sonoma, Cal.* WM. L. SIGISMUND.

On this page are advertisements of mills, watches, handy worker and weather prophet.


ADVERTISEMENTS

*When you write to an advertiser tell him that you saw his card in The Farm Journal. It is to your interest to do so.*

**SUPERIOR DUPLEX MILL**

Double Grinding Rings, doing twice the work with less power, self-sharpening, positive force feed. Never chokes. Gear Drive. Grinds Corn on Cob or in Shucks, Shell Corn, Sheaf Oats, Kaffir Corn, Alfalfa, Rye, Wheat, Barley, Cotton Seed. Coarse or Fine. Saves time, labor, fuel and money. 9 sizes, 2 to 25 H. P. For Steam or Gasoline Engines. Fully Guaranteed.

Write today for Catalog
THE SUPERIOR MFG. & MILL CO.
90 East St., Springfield, O.

**TELL TOMORROW'S Weather**

White's Weather Prophet forecasts the weather 8 to 24 hours in advance.

Not a toy but a scientifically constructed instrument, working automatically. Handsome, reliable and everlasting.

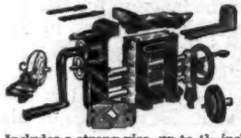
**An Ideal Xmas Gift**

Made doubly interesting by the little figures of the Peasant and his good wife, who come in and out to tell you what the weather will be. Size 6½x7½; fully guaranteed. Postpaid to any address in U. S. or Canada on receipt of . . . **$1**

Agents Wanted
DAVID WHITE, Dept. 10, 419 E. Water St., Milwaukee, Wis.

**THE FARMER'S FRIEND**

Secured at wonderfully low price and always ready for the repair work is this



**Stewart Handy Worker**

Includes a strong vise, up to 4½ inches, 4 inch jaw; pipe vise up to 1½ inch pipe; two speed drill press; substantial anvil; three speed grinding wheel 5 inches x 1 inch, cutting hardie, etc. Weighs, boxed, 90 lbs. Complete only **$12.50.** With it you can keep your farm equipment, automobile, etc., in good working order — save time and money. Get one from your dealer or send $2.00 and pay balance when shipment arrives.

CHICAGO FLEXIBLE SHAFT COMPANY,
609 No. La Salle Street, Chicago, Ill.

**Hamilton Watch**

*"The Watch of Railroad Accuracy"*

**Famous For Its Accuracy**

The engineer in the picture is Rush A. Eddy of the Chicago, Milwaukee & St. Paul Railway. He times his runs with a Hamilton.

Hundreds of Hamilton owners have written us letters telling of the phenomenal time-keeping records made by their watches. The fact that more Hamiltons are in use on American railroads than any other watch is proof that the Hamilton Watch is the time-keeper for the man who values accuracy.

It is just as easy to own a Hamilton as any other kind of watch. You can buy Hamilton movements alone to fit the case you now have for $12.25 ($13.00 in Canada) and up. There are cased models at $25.00, $28.00, $40.00, $50.00 and so on up to $150.00 for the Hamilton Masterpiece in 18k gold case. All have Hamilton Accuracy and Durability.

*Write for Hamilton Watch Book "The Timekeeper"*

Read the story of the Hamilton and see the various Models pictured and described. The book tells many interesting facts about watchmaking.

Hamilton Watch Company, Dept. 46, Lancaster, Pennsylvania

## OUR PRIVATE BOX

### GUARANTEE TO SUBSCRIBERS

Realizing that persons unacquainted with THE FARM JOURNAL may hesitate to subscribe and pay for five or ten years in advance, we guarantee:

(1) That within three months after paying for THE FARM JOURNAL any subscriber may notify us to stop the paper, and the full amount paid for the subscription will be refunded.

(2) That after three months any subscriber may order the paper discontinued for any reason, or for NO reason, and the unused proportion of the amount paid for the subscription will be refunded.

"Household Secrets," 120-page book, full of canning and preserving wisdom, tried and tested recipes, and hundreds of new ideas, 25 cents, postpaid.

*More than 150,000 of Our Folks' subscriptions expire with this issue. If you find a subscription blank in this paper, it means that you are one of the 150,000, and your renewal should be sent at once, if not already on the way.*

Sixty grateful thoughts of you, one a month for the next five years. That is what comes to you when you send THE FARM JOURNAL to some friend or relative as a Christmas gift. What other present you could give has so long a life?

*If this paragraph is marked, it means that this copy is sent you as a sample, and that we believe you should subscribe. One of our representatives will call at once, or if he does not turn up quickly, mail your order direct to us. See rates on the first page.*

### POOR RICHARD ALMANAC

*1917, Eighth Year*

The original "Poor Richard Almanac" was published for twenty-five years.

Here we are already in our Eighth Year, and hope to keep running through the Present Century, after which we will Quit and let others with greater skill and Wisdom take a hand and see what they can do.

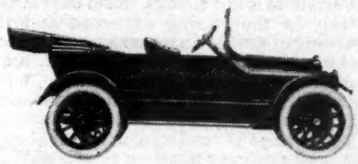
SOME OF THE CONTENTS

Regular Almanac for 1917, Astronomical Calculations, Eclipses for 1917, a Perpetual Calendar, Herschel's Weather Table, Weather Indications and Rules, Parcel Post—Latest Rules, Wedding Colors, First Aid to the Injured, Farmers' Bulletins, State Experiment Stations, Franklin's Mission to France, Facts About the Human Body, Woman Suffrage, Tanning Hides, Spraying.

Not only doth appear all of the above, with many of Poor Richard's sayings, but there is much besides, combining Instruction and Entertainment. In particular we must speak of numerous quotations from an Old Farmer's Almanac, from William Penn, Josh Billings, and some very excellent verse by our plump friend Walt Mason.

The ways to obtain "Poor Richard" are, first, renew your subscription for five years for $1; or, second, get a neighbor to take THE FARM JOURNAL five years for $1 (he gets the Almanac, too); or, third, send for five sample copies, and hand them to five intelligent, well-to-do neighbors who ought to take THE FARM JOURNAL. Then send us the five names and addresses, and "Poor Richard" will be sent.

We do not care much about selling the 1917 Almanac, but will do so if you are not able to obtain it in any other way. Price, 10 cents, postpaid.



Two 1917 automobiles given in a few weeks to two of Our Folks who will give us a lift among their own neighbors. Write The Reward Man, and let him tell you how it is done.

### "SHOP EARLY"

In two or three weeks we shall be in the midst of our winter rush. Is there any business matter you want to write about? Write *now*, so that we shall have time to attend to it promptly. Do you want some Biggle Books for Christmas? Buy them *now*, to avoid disappointment later. Are you going to change your address soon? Send us both new and old addresses *now*, so you will not miss any copies. Does your subscription expire this month? Renew *now*, while our clerks are not so rushed, tired, and liable to make errors.

On this page are advertisements of ice plows, magazine, engines and spreader.

*ADVERTISEMENTS*

*When you write to an advertiser tell him that you saw his card in The Farm Journal. It is to your interest to do so, as Our Folks are treated honestly and served with the best. Read the Fair Play notice on the first page.*

**ICE PLOWS.**

Plow cuts 2 rows. Equals 20 men with saws. Write today for catalog and prices.

WM. H. PRAY, Verbank, N.Y.

**KEROSENE ENGINES**

OTTAWA LATEST DESIGN

Durable, Powerful, Reliable, Massive. Built to last; to do hard, heavy work. Uses Cheapest Fuel. Pull ¼ to ⅓ horse-power more than rated. *3 Months Trial. Easy Terms.* Sizes 1½ to 22 H-P. Easy to start. No Cranking. No batteries. 10 Year Guarantee. Most practical engine ever built. Engine book free. A Postal brings it.

THE OTTAWA MANUFACTURING CO.,
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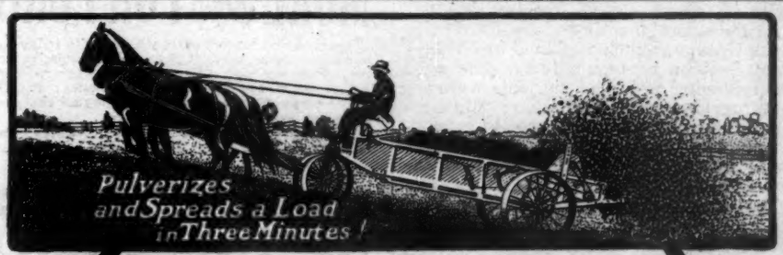

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Here is a mightily interesting booklet called "Helping Mother Nature"—a treatise by an expert, on the proper care and use of stable manure.

It shows—clear as day—why common methods of storing, handling and distributing manure are wasteful, and why a fine, even distribution by the modern New Idea Spreader saves scores of dollars in fertility every year. One million farmers are going to make more money because of reading this book. Will you be one? The

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Manure Spreader is the original wide spreader. So named because wide spreading was a new idea at that time. Spreads across 3 corn rows—7 full feet. Pulverizes manure thoroughly. Can't clog. Feed easily regulated by hand lever, 3, 6, 9, 12, 15, 18 loads per acre. Low down, light draft, strongly built and guaranteed for one year. Seventeen years of positive success behind the New Idea.

**The Original Wide Spreader**

Get your free copy of "Helping Mother Nature" from our nearest office. Ask your dealer to show you the New Idea Spreader.

**NEW IDEA SPREADER CO.**

*"Spreader Specialists"*

Main Office and Factory, COLDWATER, OHIO

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## THE GRANGE AT WORK

BY MORTIMER WHITEHEAD

THE Grange grows stronger and greater as its great thoughts grow into greater actions.

"Just help each other." Those four words cover the full Grange idea, and all real cooperation.

The annual meeting of the National Grange last month in Washington, D. C., was a notable event. It marked the end of its first fifty years of work, and its commencement under brightest prospects of its second lap on the century run.

The good word comes from New Hampshire that "the Grange is taking an active interest in all things that are in the interest of the farmers, and is recognized as a potent factor in creating a public sentiment in favor of needed legislation in the interest of the farmer."

The Information Bureau of the Grange in Michigan does good work in practical cooperation. Within one year it sold or exchanged for members more than 1,000,000 acres of land, 1,000 head of cattle, 2,000 horses, 10,000 sheep, 20,000 hogs and 3,000 bushels of clover seed.

The Governor of Delaware, at a meeting of the State Grange, commended the organization for its past work, and gave the Order credit for much of Delaware's agricultural success.

By the death of J. W. Darrow, of Chatham, N. Y., a veteran Grange editor and correspondent, who had been prominent in State and National Grange circles for many years, the Order has met with a loss. Younger heads and hands must take up and keep up the work he did so well.

At the annual meeting of the California State Grange, which was held at Healdsburg, Sonoma county, a few weeks ago, the following practical subjects were on the programme for discussion: Marketing of farm products, rural credits, cooperation, purchasing agency, and several items relating to legislative and educational work.

Dawson Grange, of Pike county, Pa., has recently issued a very complete cookbook of 144 pages, from material furnished by its lady members, all good practical farmers' wives and daughters. Good cooking is an important item in farm success.

A number of the local Granges in the state of Washington now attend to the collection, shipping and sale of their eggs, with substantial increase in the net returns. In Denmark, Europe, there are about 400 egg societies which look after the selling of eggs for about 30,000 members. They test and grade the eggs and guarantee a good product to the dealers and consumers.

There is a whole lot of Christmas cheer in the programmes of many Granges all over the land. Christmas cheer for their own members, for their neighbors, and for those who are down and out because of sickness or misfortune.

One Ohio County Grange Deputy says: "I organized two Granges as the result of a little Grange work in the paper."

PERLEY POSSUM IS SO FUNNY—
ON CHRISTMAS EVE, YOU SEE,
HE DOESN'T HANG HIS STOCKING UP,
BUT HANGS HIMSELF TO A TREE!

Every Grange should remember that if they are not talking to the people through the press they are missing a splendid chance to extend Grange influence. Use the local paper, but at the same time remember the Grange editor of your favorite farm paper and see that he gets word of all important Grange work.

Edward Chapman, of Massachusetts, Lecturer of the National Grange, well says: "Nothing worth while can be estimated on a purely dollars-and-cents basis. Least of all an organization like the Grange, whose range of service is so broad, whose avenues of helpfulness are so varied. It is not enough to aid the farmer merely in the raising of crops and the breeding of stock. In its assistance toward making that farmer more efficient, more sympathetic, more broadminded, more cooperative—in short, a more valuable citizen—here is where the largest service of the Grange is rendered, where it always has been and ever must be rendered."

Duncan Marshall, of Edmonton, Canada, Minister of Agriculture for the Dominion, was one of the prominent speakers at the annual reunion of Grange members on the Ohio State Fair Grounds at Columbus.

In the official report of new Granges organized, Colorado leads for the last quarter with twenty, Pennsylvania has fifteen, Washington seventeen, Oklahoma twelve, Ohio seventeen, Kansas thirteen. Besides these, new Granges were started in eighteen other states.

Daniel Webster said: "Let us never forget that the cultivation of the earth is the most important labor of man." The Grange has always held to this and tries to impress it upon its members.

Kansas has a new State Grange Lecturer, the Executive Committee having named A. M. Bunge, of Waverly, to succeed Mrs. Ella S. Burton, of Topeka.

On this page are advertisements of furs, magneto, silos and cutlery.

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Trappers and buyers everywhere write today for our big circular, market reports and latest price-list. Furs are high. Earn extra $$$ this winter. No matter whose list you have, get ours; it tells why we pay most $$$ for furs and pay all charges. No commission or express deducted.
**The Berliner Co., Drawer 3347, Corry, Pa.**

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develop more power and pull better only when the ignition completely ignites the "gas" you give it. A

**Bosch Magneto**

because of the hot, penetrating spark gets more power, speed and mileage out of every drop of gasoline you use. It makes a wonderful difference—it does away with the troublesome coils and weak sparks—it leaves the Ford magneto to handle the lights alone—it's really a necessity.

*Send for the free booklet.*

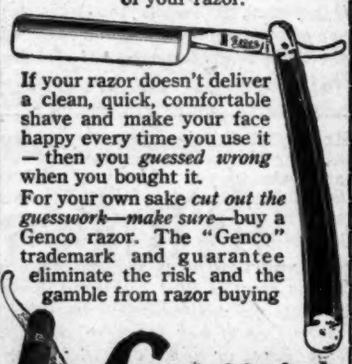
**Bosch Magneto Company**
222 West 46th St. New York City

**Glazed Tile . . SILO**

Fire and Frost proof—No paint—No cost for up-keep—No rust—No decay—No hoopage or guy wires to look after—No swelling or shrinkage. Get our "Earn Cost then Pay." Secure crop insurance for your use, with object lesson on your farm, enabling you to sell this insurance in your community. Start Today. — Dept. 629
**SILO FEEDING & INVESTMENT CO.**
Kalamazoo, Michigan

***Your face tells the story***

The way it *looks* after every shave—the way it *feels* after every shave—is the real test of your razor.



If your razor doesn't deliver a clean, quick, comfortable shave and make your face happy every time you use it—then you *guessed wrong* when you bought it.
For your own sake *cut out the guesswork—make sure*—buy a Genco razor. The "Genco" trademark and guarantee eliminate the risk and the gamble from razor buying

**Genco RAZORS**

*The Genco you buy must make good or we will*

**Prices $2. & $3.**

It must suit your beard and your skin—give you perfect shaving satisfaction. If at the end of 30 days it doesn't make good, we'll send you a new razor—or your money back. Behind this guarantee are the largest exclusive makers of high grade razors in the world. Over 1,000,000 satisfied Genco Shavers.

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*DEALERS NOTE—We have an interesting proposition. Write us.*

GENEVA CUTLERY CO.
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**RAW FURS**
WE BUY THEM

Thousands of satisfied shippers say we give best and quickest returns. Good reasons: We pay highest market prices, give honest fair grading and send the money promptly. We charge no commissions and pay express and mail charges. *Trappers and dealers write at once for free price list. It will pay you to ship to us.*
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## VINCENT'S BUDGET

**Forget the things that are behind and press forward**

THERE is something fine about a round-up, whether it be of the year's work, of wild steers, of bad habits, or of hopes, longings and aspirations. To bring things together, to find out just where we stand, to get ready to begin over again—this affords the highest satisfaction.

That is why the end of the year is so interesting. What has it done for us? What have we done for it? So bring out the books and let's figure it all up now, and then let's forget all about it. For the best part of coming to the end of an old year is the fact that we are so near to the beginning of a new one. All the past is worth to us is the boost it gives us out into the great big future, with its hope and its invitation to make this the best year yet.

A roly-poly sort of a man used to drive a bus to and from the railway station in a certain town. Rain or shine he was there, and if there ever were any passengers for up-town, he got them although other carriages might be empty; and everybody knew him as "Happy Day."

The name came to him just because he never said anything to make people feel bad, but he always had a smile and a cheery word for men, women and children.

"Happy Day"! Wouldn't you like somebody to tack that to your name?

Any kind of a round-up gets things that are not so very much worth bragging about. Lots of skinny cattle come in when the cowboys have got their stock in the corral. What becomes of them? Weeded out and sent back to get a better start.

In early days when the settlers had a big day surrounding the wild animals of the neighborhood, they brought to the center of the circle at the wind-up all sorts of creatures—wildcats, bears, panthers and beasts that were of no sort of good from any practical point of view. Some of them had good pelts; others were just shot and thrown away.

Your year's wind-up will be just that way. You will come to some things in your summing up that you wish were not there. But never mind, take what is good and be thankful for it. Maybe if you let the rest go it will turn out as with the cast-off steers—by and by some thing good may come of it.

Wonder if you and I realize what it would mean to the world—our little world—if we were to do that; take all that comes without a growl, smile a little bit and say, "All right, old Hard Luck! You hit me in a sore place, but I'll make you do me a good turn yet."

Have you ever been in a place where it seemed as if the weather were pretty wintry? Everybody sat around, glum and down in the mouth; if a man spoke it was with a growl. Certainly wasn't very healthful there, was it?

"O LITTLE TOWN OF BETHLEHEM!"

Then in came somebody with a face like a full moon, round, lit up with a smile, and a hand-grasp like a big vise. How things changed! Weren't long changing, either. Grouches all evaporated, weather fine, life bright and sunny!

Why not make up a few simple presents for the holiday this year? Let the figuring-up go till another time. If you have the roses, or can get them, braid them into a wreath for somebody's head. What if you do prick your fingers a bit doing it—the love you get back will make you forget all the smart.

Do something that counts—counts in real sacrifice; that tugs a bit at the heart; that takes the drops of good red blood right out of the heart. Let's learn again the meaning of that word "sacrifice."

But that is the only thing that can make a real Christmas. Money never did it; never can do it. Love can, though; love does. And that will help us to forget all the things which have not been so pleasant to bear.

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On this page are advertisements of silos, plates, gates, buggies, engines, manure spreaders, separators, etc.

*ADVERTISEMENTS*

*When you write to an advertiser tell him that you saw his card in The Farm Journal. It is to your interest to do so.*


**Silos** **ECONOMY SILOS**

Perfectly air-tight—perfect-fitting doors, adjusted without hammer or wrench. Ensilage sweet and fresh down to last forkful. Built to last a lifetime. Complete anchorage system with every silo. Factories at Frederick, Md., and Roanoke, Va. *Write for catalog.*

ECONOMY SILO & MFG. CO. Dept. A, Frederick, Md.

**Letz Self Sharpening Plates**

Running empty does not injure them—actually puts on an edge. One set of Letz plates will grind 1000 to 3000 bushels—outlast 3 to 5 sets ordinary plates. Silent running and self-aligning. Letz grinds all grain and forage crops fine as dust in one grinding—ear corn, snapped corn, oats, wheat, alfalfa, clover, etc. Make your own appetizing combination stock foods and save fifty per cent waste in feeding roughage. 10 days free trial. Valuable Feeding Book mailed free.

LETZ MFG. COMPANY
200 East St., Crown Point, Ind.

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MY NEW SPLIT HICKORY BUGGY BOOK

Just drop me a postal and I will send you a copy of my big, new, Buggy Book, Free and Postpaid. It shows more than a hundred stunning new styles which my big factory is turning out this season at prices as low as only $39.25 and up. Think of getting a genuine Split Hickory—guaranteed 2 years—at such prices. Send today and see how to save $30 to $40 on your new rig. Address

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My Big New Catalog of CAN'T-SAG Farm Gates will save you money. Write for it NOW—TODAY.

**"Can't-Sag" Gates**

Cost less than all wood—last 5 times as long—can't sag, drag, warp or twist. "Boards" double bolted (not nailed) between 2 angle steel up rights. Guaranteed 5 years. You can get complete Gates or just the Gate Steels so you can make your own gates and save money. Write for Catalog. ALVIN V. ROWE, Pres.

ROWE MFG. COMPANY
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**GALLOWAY'S FALL BOOK**

**NOW READY** for you. A postal gets it. It is the supplement to my 250-page 1916 catalog. If you don't have the big book I will send both free. If you will compare the quality of goods and prices I offer with those you have been used to paying and figure out the saving for yourself you will easily see they will save you money on **Gasoline Engines, Cream Separators, Manure Spreaders, Farm Tractors, Wagons, Harness, Farm Implements,** Machinery, Clothing, Household Goods of all kinds. That's why I say

**GET THESE BOOKS**

They tell the story of the growth of the great Galloway business. They tell you **Gasoline Engine secrets and facts.** They give you **Cream Separator secrets.** They tell you how and why the **Galloway Manure Spreader** is known as the **lightest draft,** easiest running, **best built spreader** on the market today. They describe in full my **six selling plans** and tell you why and how I sell direct from factory to farm, cutting out all profits between actual producer and actual consumer.

No matter what you are in need of this fall and winter, on the farm or in the home, my books describe standard quality merchandise at prices only made possible by dealing direct with the manufacturer. That's why I say these books will save you money.

**WILL SAVE YOU FROM $100 TO $500**

On your fall purchases if you use them as a guide in buying. I want you to come to Waterloo if possible. I want to entertain you at the Galloway Club. I want you to eat one or more meals with me. I want to show you my great chain of factories right here in Waterloo. I want you to see the new merchandise departments that I am opening up this fall and the great stocks of merchandise we have manufactured and accumulated for our heavy fall and winter trade, but if you can't come and make me a visit, **don't fail to drop me a post card and ask for these two great books,** which contain over 350 pages of standard quality merchandise at low prices. Printed in four colors, handsomely illustrated, well bound, no cheap printing. Ask for them today. A postal gets one or both. If you have my 1916 catalog you only need my new fall book. Ask now. It is ready to mail. Address

WM. GALLOWAY, President,
**THE WILLIAM GALLOWAY CO.**
Farm Implement Manufacturing Specialists
407 Galloway Station WATERLOO, IOWA

# FARMERS' PROBLEMS

IT is a trite though true saying that the luxuries of one generation become the necessities of the next. Many yet living can remember when the only newspaper taken in the farm home was the county-seat weekly, delivered at the rural post-office by the printer's apprentice on horseback, the delivery being known as "riding post." The post-offices were few and far apart, and the occasional letter, forwarded at what would to-day be considered a most excessive rate of postage, passed through many hands before reaching the person to whom it was addressed. That it might be a week or two late in reaching its destination was accepted as a matter of course, and nobody ever thought of making complaint to the postal authorities because of delays or the non-arrival of the mails; nor was it thought worth while to ask for better service in an age when letter-writing was little practised by the masses, and the art of fine writing was confined to scholars.

II

The foregoing reminiscent remarks were written as an introduction to the following timely criticism of the rural free delivery of mail by one of Our Folks living in Maine: "In the friendly letter on page 534, October, 1916, the subscriber speaks of the rural free delivery. What is killing the measure is this: The carriers are allowed six holidays in the year. The country people can't stand this. For example, the Saturday mail arrived at twelve o'clock noon Saturday, and Monday being a holiday, no mail was delivered until Tuesday noon. The business man in the country town won't stand this. The carriers get about $1,200 per year, and get their pay for the holidays. Why not deliver the mail? The Postmaster-General can have the holidays cut out so as to have the carrier make six trips each week. I for one want my mail each and every day. The voice of the country people can get this. *Let's try!* Let all of the subscribers of THE FARM JOURNAL speak up. We must have the six days' service." It will doubtless not be many years before mail will be delivered twice a day to farmers in every part of the country, as it now is in favored sections. How Ben Franklin would enjoy such postal progress.

III

The question has been asked many times lately how the tenant farmer with only a small amount of savings will be able to derive any benefit from the Federal Farm Loan act. The query has been answered by P. W. Goebel, of Kansas City, Kans., president of the American Bankers' Association. Incidentally, Mr. Goebel confirms the contention made some time ago in these pages by Jacob Biggle, that in banking circles character is considered a strong asset. Mr. Goebel says: "I have heard the question asked, 'How are you going to advance the interests of the tenant farmer that has not got the fifty per cent. saved up to buy his land?' Why, if the tenant is the right kind of man there will be no trouble whatever. And here the personal equation comes in. The government must require absolutely the same maximum requirements from everybody that does business with these banks, and the local banker will take into consideration the personal equation of a man wanting to buy the land; and, as a banker, I would not hesitate to say that I would loan freely on second mortgages. I would not in a commercial bank; but in a trust company or investment bank I would lend freely on second mortgages, so long as I could see that the interest and the amortized payment on the first mortgage and the interest on the second mortgage and taxes and upkeep of the land would still be less than the rental value of the land.

IV

"We will say a young man who has worked for a farmer for a number of years, or a man of middle-age whom I have known for years who has rented a place, comes to me and he says: 'I have $1,000, and I have two span of horses and some cows and some sows—enough reasonably to stock eighty acres of land. I have got to pay $50 an acre for the land. I can get a loan through the National Farm Loan Association, of Staunton township, for $2,000. Will you loan me the other $1,000?' Now it is a very easy proposition to figure it out. I will figure that on the first mortgage of $2,000 he will pay $120 interest at six per cent. I am figuring now on the maximum. He will pay $20 on the amortization fund. Now I loan him the $1,000 at seven per cent., if you please. He will pay me $70, and I will figure that his taxes cost him $50, which makes a total of $260.

V

"Now that eighty acres of land, if he rented it, would cost him anywhere from $325 to $400 a year rental. It goes without saying that he will take more interest in that piece of land as an owner than as a renter. He will take better care of it and improve it. It will be improved rather than deteriorated. It does not take a great stretch of imagination to see that this man with the $1,000 I loaned him can pay on an average of $100 a year on the principal. In other words, he can return the $1,000 I am loaning him in ten years. Then, he will simply have a proposition that with any intelligent work at all he will absolutely make a living, and the small sum he pays yearly to retire his loan finally will hardly be taken into consideration. In fact, it is my opinion, and what I am saying to you, gentlemen, is simply based on years and years of observation of the farmer and continuous financial and other business I have had with him, with any intelligent work he will have something that will make him an absolutely sure living for a good-sized family.

VI

"The result of these long-time loans will also be that more of the income from the farm can be placed into equipment for the farm; equipment not only to bring larger returns in dollars to the farmer, but that will make the family feel like they want to stay there. To my notion the greatest lure of the city is the fact that these farmers' wives and daughters come into the city to visit friends perhaps who have modern equipment in their houses. It appeals to them more strongly than anything else, and makes them more dissatisfied with farm life than anything else. Now, with the bugaboo that the mortgage is going to come due in two or three years, 'I don't know how I am going to be able to renew it, or I don't know what I have to pay; there may be stagnation in land values,'—with that bugaboo removed, why, any one who has the welfare of the farmer at heart can readily advise him, 'Now, put some money into your house and make it modern so you can make your family feel that they have the same chances for comfort and pleasure as the average laborer has in the city.'"

VII

The Federal Farm Loan Board recently named to put into operation Uncle Sam's new Rural Credits act has returned to Washington after holding twenty-seven hearings in the northern half of the United States. The hearings were held to determine in what sections of the country federal land banks are most badly needed. Farmers were invited to the hearings to tell their financial needs, and cities were invited to present their arguments for the location of the twelve federal land banks which are to be established. Testimony of farmers indicated that interest rates on first farm mortgages in the northern half of the country range from five per cent. per annum to five per cent. per month. Even in many cases where five and six per cent. per annum are charged, commissions also are exacted ranging from a flat one and two per cent. to one to three per cent. per annum.

VIII

Testimony indicated that farm development had been hampered in the United States as a result of short-time credits; prospective farmers were unable to borrow to purchase land, and productivity of farms suffered because farmers could not get sufficient credit with easy terms of repayment to make necessary improvements and buy live stock. Farmers in nearly every state visited assured the Board that the long-time amortized loan at a low interest rate, as provided under the new Farm Loan act, would be a great contribution to the prosperity of the country; that it would stimulate agricultural development and check the increasing percentage of farm tenantry.

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Name.....
St. No.....City.....
State.....Occupation.....

# Our Mr. Downs

If you had lived in New Haven, Conn., back in the early forties, you would have seen Mr. Downs quite often.

He used to go from one store to another with a basket on his arm.

If you had looked into the basket, as he argued with the skeptical storekeeper, you would have been astonished to see queer shoes, made of a strange new material. It was rubber.

Mr. Downs was the first salesman employed by the first firm ever licensed to make rubber goods—a firm founded in 1842.

Today, 6500 Mr. Downses are required to sell the enormous volume of footwear developed by the United States Rubber Company during 74 years.

There are 47 great companies which are the producing units of the United States Rubber Company, *the largest rubber manufacturer in the world.*

In the early days, rubber shoes were crude and few. They were an oddity, suspected by the public and only accepted by the doubting retail dealers for sale on a commission basis.

How time has changed all this!

The world has learned to look on rubber footwear as a blessing. You see it on the streets, in homes, playgrounds, industries, camps and wilderness. You find it in every shoe store.

*Over sixty million pairs of rubber boots, shoes, overshoes and canvas shoes with rubber soles were produced in the factories of the United States Rubber Company in the last twelve months—enough to shoe half the people in this vast country.*

Yet the production of footwear is only one of the activities of the United States Rubber Company.

On an equally tremendous scale it makes *raincoats, tires, druggist sundries, hose, belting, packing, and all rubber goods for mechanical uses.*

The output of the United States Rubber Company, though huge, is balanced. Its prosperity does not depend on any one product. And thus the full and continued degree of service rendered by this great organization to the public is assured.

## United States Rubber Company

## OUR EDITORIAL PLAN

We publish THE FARM JOURNAL for Our Folks. Our Folks, now numbering more than four million, are all those into whose homes the paper goes—father, mother, son, daughter—all the members of the household, dwellers on farms and in villages throughout the land. Our first care is that its pages be honest and pure, and full of sunshine and hope; that it may ever help and never harm those who read it; and be a source of information, profit, comfort and encouragement to all. The good that we can do is the most potent stimulant to our endeavor, and we trust it will always remain so.

Secondly, we treat subjects in season only; we try to hit the nail on the head and not the thumb; we strive to know what to leave out as well as what to put in; that is, to boil things down; and we like a little fun as we go along, and to keep the paper young in spirit if not in years.

The Editor was born on a farm and reared at the plow-handles, and our contributors are practical men and women who write with their sleeves rolled up, and who briefly and plainly tell the best and most profitable way of doing things on the farm and in the house, as learned from actual experience.

It is through strict adherence to this plan, in every department, that we are enabled to present much useful and acceptable information to our readers, and to retain the confidence of our many friends, in every state of the Union, from year to year, and steadily to increase the number thereof.

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☞Contributions invited from all persons possessing gumption and knowledge, who know what's what and who can stop after they have said it.

# THE FARM JOURNAL
(UNLIKE ANY OTHER PAPER)

PHILADELPHIA, DECEMBER, 1916

## A TIME TO DREAM

Fair Summer folds her finery away;
The leafless trees stand gaunt in somber gray;
The Storm King calls his minions and they ride
At will, unhindered, o'er the fair hillside,
Across an empire they have made their own
By right of conquest. Winds that sigh and moan
Now usher Winter into his domain.
He steps into his regal robes again;
With ermine soft and white he decks the trees
That shiver at his breath, but yet to please
His royal highness, stretch their bare gray arms
To catch his jewels, gladdened by their charms.
The babbling brooks obey his sovereign will
And freeze into a silence deep and still;
The sun's rays pale beneath his blighting gaze
Untempered by the warmth of long bright days.
It is time to dream, since dreams can bring
A promise of the sure return of Spring.

HELEN M. RICHARDSON.

## CHRISTMAS AND ITS MEANING

Nothing that was transplanted in the American wilderness from the old world struck its roots deeper in the friendly soil than Christmas and the customs and legends that attach to the name. It is recorded that many of the Quakers comprising Penn's colony on the Delaware were so stirred by memories of their old home beyond the sea whenever they heard the chimes of Christ Church in Philadelphia, that they recanted and returned to the church of their fathers. To such an extent was this the case that the rulers of the colony vainly endeavored to prevent the ringing of the chimes. It is doubtful if religious conviction had much to do with this apostasy, the settlers being moved almost wholly by fond memories of the fair land they had left, and the villages and crofts where their childhood and youth had been spent. Thus it is with Christmas. Quite aside from the religious significance of the day, there are associations connected with it that appeal most strongly to all. The harmless and centuries-old fiction of Santa Claus is hallowed by childish associations; the family reunions and exchanging of gifts endear the day to the grown-ups; and altogether the Christmas season is invested with more tender associations than any other festival in the calendar. There is no place in the heart on this day of days for hate, rancor or envy. Instead we should all feel like saying with Tiny Tim: "God bless us every one." Many of us take our burdens too seriously, and it is well that there are seasons like Christmas when we may forget the things that are behind, and walk for a little space in the sunshine. It will help us to bear our responsibilities with lighter hearts. If on Christmas day the editors of THE FARM JOURNAL could visit the homes of their million subscribers, it would be to repeat the words of Tiny Tim: "God bless us every one."

## LINE FENCES

What is right about keeping up a line fence? Ought a man to stand it if his neighbor does not do his share of that work, or should he go to law? Nine times out of ten a friendly word will be all that is required. We all know what the law is, and do not like to be punished if we are not so prompt as we should be about mending our fences. Nobody ever gained anything by being unreasonable either way about building line fences.

Your life will not be a success unless you keep a high aim always in view. A life without an aim is like a carriage without a horse,—it lacks motive power and never gets anywhere.

It were wise to reason with a belligerent bull from the other side of the fence, if at all.

With good prices for good crops what better Christmas gift does the farmer need?

*The farm boy is very human, and who would have him otherwise? Therefore it is not strange that there are times when he would rather play than work. You were that way yourself once.*

*(Gentle and affectionate—considerate of petty offenders, but severe with great ones—watchful but discriminating—unchained and ready for business.)*

If you want the rest of the world to smile and look pretty, work at it some yourself.

Almost any smart man can hatch up a story these days to trap people into buying things which they do not want and never will use. Stick to the old FARM JOURNAL rule never to buy a thing you do not need, and it will give you a fighting chance with the tramp canvassers.

The young fellow who is persistently seeking a job that will keep his hands soft, most likely has a soft spot in his head.

The politicians who lied about and blackguarded their opponents before the election, ought to be ashamed of themselves now. We hope they are.

At last the worm has turned. The American dairymen who for years have been selling milk at cost and less are preparing to strike. There is no reason whatever why the farmer should any longer be the goat for the milk business. THE FARM JOURNAL wishes "more power to his elbow."

You will hear many folks say that it is good for farmers to be in debt—makes them work harder to get out of the way of the debt. A thistle under the saddle will send a horse down the road on the keen scoot, but it isn't so very comfortable. Debt is worse than any thistle that was ever used in this wicked way. It is sometimes necessary to get in debt, but he isn't much of a man who has to have a spur like that digging into him day and night, summer and winter, to make him industrious.

A fault all too common to-day is lack of courtesy. You get a letter of inquiry, perhaps from a distance, and not seeing how you are to receive any benefit from it you do not reply. Or you advertise, and answer inquiries so long as your stock remains unsold, and after that ignore inquiries. That isn't courtesy, it isn't business and it isn't honorable. Every time you answer an inquirer and clearly have nothing to gain by it, you build up a reputation for yourself and become of more consequence in the world.

## THE OUTLOOK

*As the ancients wisely say,*
*Have a care o' th' main chance,*
*And look before you ere you leap;*
*For as you sow y' are like to reap.*

BUTLER.

Milk producers' associations in many of the dairy states are likely, by their concerted efforts, to secure living prices for the product of the dairy.

There was a shortage this year in all the principal crops, and prices have advanced accordingly. Farmers who had bumper crops of potatoes are reaping big profits.

The reports from all parts of the Middle West indicate that the farmers in large numbers are taking up dairying. The efficacy of the silo has had much to do with this move. There are nearly 12,000 silos in Kansas.

There is an undercurrent of feeling that prices in this country that have been greatly boosted by the European war will take a disastrous slump when the war closes. The prudent will avoid disaster by shortening sail.

In many parts of the United States there is a serious shortage of cattle, due to the tempting prices that prevail. The demand for dairy cows has also greatly stimulated the price of likely milkers. There are indications that the high prices will continue, for the shortage can not be made up in a day.

Large numbers of Mexicans are being brought into this country to work on the

railroads, and southern negroes by the thousands have migrated to the northern states for a like purpose, it having become necessary to resort to these means to make up for the decline in European immigration. Apparently no effort is being made to better the farm labor situation.

## TOPICS *in* SEASON

*The stars are hid 'neath a stormy cloud,*
*There's a north wind wailing low,*
*And piling high on the window-sill*
*Is the steadily falling snow.*
*It is drifted deep in the meadows,*
*It is swirling high on the hill,*
*It is blanketing thickly the hedges*
*Where the owls are muffled and still.*

Work counts for more than talk.

Add years to the life of your wagons by keeping them well oiled.

Head-work and team-work make a winning combination on the farm.

A fine way to keep carrots through the winter is to cover them with sand.

See that the stored corn or grain has sufficient ventilation to prevent spoiling.

Much strength is wasted on crosscut saws that have not "set" enough in them. Farmers are scarce who know how to set these tools. It is not hard to learn, though. Go to some good sawyer and take a lesson or two, then get a good set and save your strength and add to the length of your days.

Wherever you find a man who is succeeding on the farm, you will find one who feeds a good share of his crops out to stock and keeps the manure for his own fields.

The farm ought to pay larger dividends this year. Cooperative buying of supplies and selling of crops will mean larger profits. Get several neighbors to try the plan for a season.

Take a hatchet and some staples and make a round of the fences, fixing them wherever needed. Half a day spent this way will save endless time and trouble in preventing stock from breaking out.

The farmer has in the past felt that he was a wonderfully independent fellow. Good feeling, if he can afford it; but he has come to a time when the get-together spirit needs to be fostered. E. L. V.

We ought not to brag about it, but isn't it fine that the farmer folks of this country have plenty of pork, potatoes, milk and butter, pancake and pumpkin timber, and some to spare the rest of the folks?

The axe the boy uses ought not to be quite so heavy as that of a man. And it is a good plan for every boy to have an axe of his own, and learn how to keep it in order, too. It is quite a day when the farm boy grinds his own axe! You be there, of course, and show him how to hold it at the right bevel.

In winter when there is little doing is a good time to overhaul the farm implements. See that every wheel, lever, brake, etc., works smoothly, and tighten up all loose nuts; then there is not likely to be an aggravating setback in the spring work. A coat of paint will make all implements last longer, and will look a lot better than a coat of rust. H.

On one side of your axe-helve measure off from the end six, twelve, eighteen and twenty-four inches respectively. Then with a file make small grooves crosswise of the helve at these points. Thus, no matter where you have your axe, you can get those measurements from the helve, and intermediate measurements approximately, if wanted.

*Michigan.* G. R. WILSON.

No matter what folks tell you, sound stumps can not be destroyed with nitric or sulphuric acid, or with both, and these two acids are the strongest known. Chemists who have been consulted agree it is hardly possible that any chemical formula can be found which will cause the breaking down of the structure of the stump so as to induce decay, or to permeate the cells of the wood so that it may be easily burned.

*"And Winter, slumbering in the open air,*
*Wears on his smiling face a dream of Spring!"*

### *SMALL FRUITS*

*Surface water can not get into underground drains when the ground is frozen; therefore some little furrows or ditches may be a great help this winter in carrying off surplus moisture.*

Merry Christmas! Stir up the fire and put on another log.

The object of mulching strawberries in the fall is to prevent winter-killing. Winter-killing is usually caused by the plants dying out too much during the winter months by alternate freezing and thawing which heaves out the roots.

Draw the currant branches together and tie them to prevent their being broken down by the snow or sleet of winter. This same idea can be used to protect other kinds of berry bushes from the damaging effects of the storm king.

Some folks claim that strawberries are not much good after bearing the second year. This is the fifth year that our own patch has been in bearing; we had more berries this year than ever before, and I have never seen any larger berries.

*West Virginia.* JOS. A. RINE.

The best mulch material to use is clean straw; this is placed on the strawberry plants four to six inches deep after the ground has been frozen. In the spring after the ground is thawed, the straw is worked around the plants. This serves several purposes, such as keeping the patch free from weeds, conserving the moisture, and forming a clean mat for the berries to ripen on. After the fruit has ripened, the straw can be removed.

A good Christmas present for a friend or neighbor is a copy of the Biggle Berry Book. Mailed direct wherever you say, upon receipt of 50 cents. Or, if you send us $1.25, we can include with the book a five-year subscription to THE FARM JOURNAL to the same or a different address.

Tender varieties of blackberries, grapes, etc., may be bent down along the row and covered with an earth blanket for winter protection in severe climates. If a little soil is removed from one side of the roots, canes will bend down easier; if necessary they can be held in place with wooden pegs.

The dewberry is grown most extensively in North Carolina and New Jersey, but there are also plantations in Maryland, Texas, Missouri, Michigan, Colorado and other states. The Lucretia, the most popular variety, is not very hardy, and hitherto its culture has been confined to rather mild climates. Any fertile soil provided with good drainage, and with a good supply of humus to retain moisture, is suitable for growing dewberries. Many of the large fields of North Carolina are on coarse sand, and in other sections clay loams are used for this purpose. This fruit, however, should not be set on too wet a soil.

The strawberry leads the list of small fruits in popularity because of its wide range of adaptation to soil and climatic condition. The large number of varieties gives a long season of the most delicious fruit. Its ease of culture and its early season of bearing make it a desirable home and market crop. The strawberry is most productive in a sandy-loam soil; but, if this type of soil is not available, it may be grown with good results in many of the heavier soils. Freshly broken land is usually ideal for a strawberry bed, provided it has first been planted to some cultivated crop, such as potatoes. Sod land is likely to be infested with white grubs, which are dangerous to tender plants.

### *THE ORCHARD*

*Dear Christmas eve! When love is strong*
*And strife and falsehood pass away,*
*And kindly actions 'round us throng,*
*And memories of ancient wrong*
*Die out for aye!*

Snappy day—snappy fire.

Apples roasting on the hearth.

Pull up your chair and let's be sociable.

Put that stool under mother's feet, please.

And pass the nuts to brother Ben, who has come back to the old home after proving the emptiness of city life.

Here comes father, stamping the snow off his feet. Help him with that coat and find his slippers—quick! Now that we are all settled comfortably, let's have one of those roasted apples. They have such an enticing sizzle, and smell so good. Three cheers for the old farm on Christmas day!

December is a good time to cut scions for next spring's grafting. Take them from the tips of limbs that made a good growth last summer. Bury them in sand or earth

in the cellar where they will be cool and moist but not wet.

If you must ship apples when severe weather threatens, be sure to line the inside of barrel or box—top, bottom and sides—with double layers of paper. Most folks do not fully realize the excellent non-conducting qualities of any kind of paper.

I recently obtained a copy of the Biggle Orchard Book and loaned it to a nurseryman who is supposed to be an expert. He found so many good things in it that I gave it to him, so wish to have you send me another at once, as I find use for it daily.
*Rochester, N. Y.* H. W. SPEARES.

[Can't we mail *you* a copy, too? Fifty cents, postpaid; or $1.25, including a five-year subscription to THE FARM JOURNAL. Ask for our new free catalogue of rural books of all kinds.]

The fall and early winter months afford an excellent opportunity to wage a fight against fruit diseases. All diseased and blight-infested parts of the trees should be cut out and burned. The blight during the past season has been worse than usual, and care must be taken to prevent its spread if the orchard is to be saved. In cutting out blighted parts the dead bark should be cut away, leaving in sharp contrast the live portion. The dead part is the lowest margin of the blight.

Care in all handling operations is the second important requisite of successful storage. A class of fungi, of which the common blue mold is an example, is known to be unable to attack and cause decay of healthy, uninjured fruit. In spite of this fact, very serious rots, both in storage and in transit to market, are the work of fungi of this type, and the largest contributory cause in all cases is bruising or skin breaking suffered by the fruit in picking and packing operations.

Farmers do not, as a rule, quite realize the great value of cleaning up the orchard during the winter. Many insects and fungous diseases which would make trouble the following season can be destroyed in the cold months. First remove all trash and burn it, thereby destroying the insects that are lying dormant. Then remove from the orchard all mummied fruits. Old rotten peaches, apples, plums and other fruits, whether on the tree or on the ground, contain millions of spores which are capable of spreading diseases to the next crop of fruit.

Apples by parcel post? Of course you know that apples can't usually be sold profitably in that way because of their weight. Nevertheless, an enterprising Arkansas grower is making money doing this very thing. How? Why, he dries the fruit before shipping it; that's the secret of his success. Consumers are glad to get eleven pounds of his high-grade, sun-dried fruit for a dollar. No very expensive equipment is required. The fruit is packed in stout bags and shipped direct to the consumer by parcel post. This grower sells his peaches in the same way. MAURICE FLOYD.

The Highway Department of Missouri has been planting fruit and nut-bearing trees along state roads for a number of years. Many of the trees are now bearing, and the Highway Commissioner claims that very little of the fruit is stolen. Governor Brumbaugh, of Pennsylvania, favors the idea, and arrangements have been completed for cooperation between the Pennsylvania Department of Forestry and the Pennsylvania Highway Department in planting shade and fruit trees along the state highways. The Department of Forestry will grow the trees, and when they have reached suitable size they will be turned over to the Highway Department and private good-roads organizations for planting.

On account of the high price of fertilizer, attention is very properly drawn to other possible means of keeping up the fertility of land. This is resulting in a desire on the part of fruit growers to keep more stock. They are usually handicapped, however, by a small acreage of open land and the inability to grow a quantity of food on limited areas which will be sufficient to make any general increase in the amount of stock kept. One of the most efficient factors to increase the efficiency of this open land is the silo. Some of the most successful fruit growers have erected silos and are keeping stock merely through winter months. This system works very well, in that the bulk of the work necessitated by keeping more stock comes at a time when the growers are not busy with their fruit.

In many cases the sequence of ripening is of very great importance, and presents one of the most difficult things to plan satisfactorily. For instance, if a grower, whose entire enterprise is the production of peaches, wishes to ship fruit throughout the longest possible period, it is essential that his varieties be so selected that they will give him a continuous supply of fruit. Otherwise, there will be periods when his crew will have to be idle on account of breaks in the sequence of ripening; or it may be that at some periods he will have more varieties ripening at the same time than he can handle with the crew which is adequate for the greater portion of the crop. Either extreme presents a serious economic condition in the management of the orchard. To handle the crop satisfactorily and economically, a continuous and uniform supply of fruit is essential.

On this page are advertisements of guide, seeds, nursery stock, strawberry guide and stump pullers.

*ADVERTISEMENTS*

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**Fall Floral Guide—Free.** Describes "The Best Roses for America" & hardy shrubs. The Conard & Jones Co., Box 25, West Grove, Pa.

**$1.00** BU. SAVED on your **Clover Seed** — This seed is 99½ Pure and I can save you money. Write quick. To-Day's Prices and Samples Free. WILLIAM D. BURT, DALTON, N. Y. Box J.

**Strawberries**
**Make Big Profits**
growing strawberries. Our illustrated Book of Berries for 1917 points the way. It is a complete guide for the amateur; a valuable reference book for the experienced grower. It's **free.** Write today for your copy.
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**Wonderful Compass Cherry-Plum**

Cross between the Sand Cherry and Miner Plum. Large, red, sweet and juicy. Fine for canning. **Wonderfully young bearer.** Will bear heavily when other fruits fail. Trees and seeds at wholesale prices. **Apple trees, 7c.** Everbearing Strawberries and Sonderegger's Earliest Blackberries. Ask for free Tree and Seed Book.
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**These Heavy Roots Mean Youngest Bearing Orchards**

Strong, heavy, spreading roots, grown the William P. Stark way produce healthy, fast-growing trees that take root quickly and come into bearing very young. Get our low, direct-from-nursery prices on genuine Delicious, Stayman Winesap, Jonathan, Grimes Golden, McIntosh, Baldwin, Wealthy, Duchess and all other high-quality commercial varieties.

**J. H. Hale Peach—$1 More Per Bushel Than Elberta**

A peach ⅛ to ⅓ larger than Elberta, better flavor, quality, color, firmer and far better keeper and shipper. Sells for 50% more in big peach markets.

**CAUTION**—We grow genuine J. H. Hale peach trees under exclusive contract with Mr. Hale. Look for trade-marked wooden tag bearing Mr. Hale's personal signature.

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160 Page Book FREE

These are the Kind of Trees You Get From William P. Stark Nurseries

**Wm. P. Stark Nurseries, Box 36, Stark City, Mo.**

## SOME TROUBLESOME PESTS

**And the way to deal with them so they will not bother**

MANY insects and plant diseases remain during the winter on the parts or remnants of the plants infested. For example, the cabbage plant-louse or aphis, which causes cabbage plants to become dwarfed and have a mildewed appearance, remains on the old cabbage plants in the garden and truck patch. If, however, portions of the plants were gathered and fed to cattle or pigs or chickens, or pulled and burned, the pests would be destroyed, and there would be nowhere near as much danger of their reappearing next spring, says H. A. Surface. If one travels through the country he can see great numbers of stubs of cabbage plants that were not gathered, and these may be allowed to remain out during the entire winter. Two or three different kinds of insects, and at least two kinds of plant diseases, are liable to be carried over with them.

The same principle holds good in regard to fighting other pests, such as potato stalk-borers, the asparagus-beetle, the stinking squash-bug and many other pests that pass the winter in connection with the parts of plants or rubbish in the region where they live. The best possible practise is to go through the garden and truck patch now with the greatest possible thoroughness, and gather together all unused parts of plants, or weeds and trash, and pile all in a heap and burn it, or compost it. By composting is meant to rot it together with manure or straw, and everything that will help form compost or decayed organic matter. Insects and plant diseases can not live in a real compost heap, where heat is generated by decaying organic material; and, where there is moisture with this, the disease germs and insects are destroyed, especially if the compost heap is forked over occasionally and given proper attention.

There is one slight loss due to this burning. This loss is from the fact that all organic material is needed to go into the soil as humus, and that which is burned leaves behind only the ash which is not nearly so valuable as the humus. Yet if it is not to be composted or thoroughly rotted, it should by all means be burned for the sake of getting rid of the pests it contains. It is not safe to wait until spring to undertake the cleaning up of gardens and truck patches, as pests may commence early to escape therefrom.

FOOT NOTES

The bug editor wishes you a Merry Christmas and a peaceful New Year. He is happy at the thought of some long quiet winter nights with no pests to bother.

Many of the birds are absent now, but they'll be on the job again in the spring. Now is the time to join The Liberty Bell Bird Club, and show your appreciation of the birds' work for you in keeping down the insect pests.

If the house centipede has become a pest in your house, use fresh pyrethrum powder near bathrooms, closets, cellars, conservatories and storerooms where it may hide itself. The suggestion is also given that all moist places should be kept free from any objects, such as flowerpots, mops or dirty rags, behind which the insect may conceal itself.

Three good Christmas presents: The Biggle Garden Book, Berry Book and Orchard Book. Each in its own field, tells how to combat the common pests that threaten; and, in addition, tells all about planting, culture, picking, packing, marketing, etc. Each book, 50 cents, postpaid to any address. Send for our new free catalogue of rural books of all kinds.

The price of cabbage will be high this fall and the cabbage-worms are the cause. The Pennsylvania Department of Agriculture has received numerous complaints about this insect, and reports have been made of cabbage fields so badly damaged by the cabbage-worm that the crop was spoiled, the owners turning the plants under and putting in another crop. Timely spraying would have prevented such loss.

On this page are advertisements of engines, nursery stock, land and tractors.

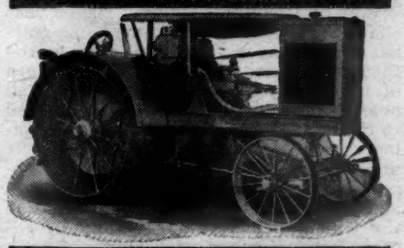
*ADVERTISEMENTS*

*When you write to an advertiser tell him that you saw his card in The Farm Journal. It is to your interest to do so.*


**NURSERY SALESMEN Wanted.** Home Territory. Highest commissions, payable weekly. No investment. We deliver and collect. **Perry Nursery Co., Rochester, N. Y.** Estab'd 21 years.

**Burns Kerosene "ALLWORK" TRACTOR**

Successful at all large Tractor Demonstrations this year Two years' success with a host of satisfied and enthusiastic users



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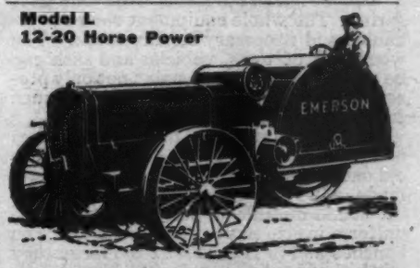
**12-20 Horse Power**

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Write today for free folder illustrated in colors, or check coupon for information on any article in the E-B line of "good farm machinery."

**Emerson-Brantingham Implement Co. (Inc.)**
**211 S. Iron Street, Rockford, Illinois**

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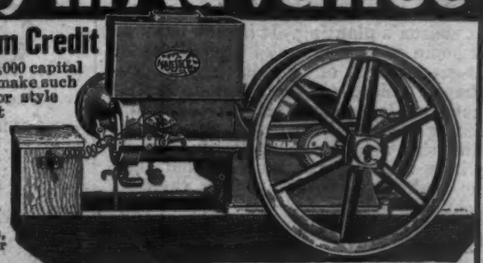
Only Hartman's with their $12,000,000 capital and over two million customers can make such an offer as this. Order any size or style Majestic engine you want—no deposit—no C. O. D., or security. When the engine comes, work it 30 days, and if you are not fully satisfied with it, send it back at our expense and you will not be out one cent. If you are completely convinced that the "Majestic" is a wonderful bargain and just the engine you want, then keep it and pay one-tenth in 30 days, or one-sixth in 60 days, and balance in equal payments monthly or every two months—giving 10 months or



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**SEND FOR FREE BOOK** and note the sensationally low bargain price put on each engine. Book also tells how to judge an engine, how much to pay, how to pick out size and style engine best suited to your needs, and explains the Famous Farm Credit Plan. Get this valuable engine book at once. Send the coupon or a postal today.

**THE HARTMAN COMPANY,**
**4044-48 La Salle St., Chicago**

2, 3, 5, 7, 9 and 14 H. P.—Stationary and Portable

**The Great Majestic Engine**

Most economical to operate. Fewer number of working parts. Perfectly balanced—just the right weight for its H. P. rating. Big improvements. Gives everlastingly good service without trouble or bother. Absolutely guaranteed by The Hartman Co., backed by its $12,000,000 capital and resources. Fully described in our Book. Send for it.

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Without obligating me, send your Engine Catalog No. E-600 and particulars of selling plan.

Name.....

Address
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or R. F. D.

Town.....State.....

## THE TRUCK PATCH

BY E. R. JINNETTE

Culled from the daily experience of a trucker who rolls up his sleeves and works

IN the North most of the outdoor work is closed for the season, but much can be done indoors to forward the work next spring. The whole equipment can be overhauled and necessary repairs made. The woodwork of tools, vehicles and sash can be painted. A coat of paint not only preserves the wood from decay but adds much to the appearance of things.

An adequate supply of flats and lug boxes is an essential part of the equipment. The old ones should be repaired and new ones made. In making flats it is important to use sound durable wood. They should be uniform in size to prevent loss of space on benches and in frames. If too large they will be hard to handle when filled with soil; 16 x 20 inches makes a very convenient size.

Trenched celery will now need additional protection from the increasing cold. Where the trenches are covered with boards nailed together A-fashion they can be covered with coarse manure, marsh hay or any material that will keep out frost. Six inches of manure should be sufficient protection in the coldest sections. Soil can be used for covering, but it will make trouble when the celery is taken out.

It is well to examine pits where potatoes and the like are stored, and make sure that they are secure from frost in the coldest weather that may come. Too much earth on the pits will do no harm, but too little may result in serious loss.

With a local market where lettuce is sold by the dozen it may pay to market it before the maximum weight is reached. This will depend, of course, upon the keenness of the demand and the need of bench room for other crops.

In the colder sections hardy onions which have made a strong growth during the late fall should be mulched with rather coarse manure, straw, or spoiled hay. It is important that the material used should be free from the seeds of troublesome weeds. Where the growth has been slight, fine manure should be worked in between the rows. In order to winter well, spinach will need mulching, too.

Before the ground freezes too hard it is a good plan to dig some horseradish roots for use during the winter. They can be kept in perfect condition buried in moist soil in a cool cellar.

Get in touch with your experiment station. The men connected with it are ready and willing to help you overcome your difficulties. That's what they are there for.

It is not too early to begin thinking about the important matter of seeds for next season's planting. It is well to know that some seedsmen make a specialty of high-grade seeds of certain vegetables—cabbage, onions, celery, tomatoes, or something else. By careful selection and breeding such men have developed superior strains that are true to name. Such seeds are in a class by themselves, and they come high; but it pays to buy them at almost any price. The wise grower does not quibble about the price of seeds provided he gets what he wants.

"Sweets" in storage houses will be going to market now. To bring top prices the tubers must be uniform in size, neither too large nor too small. They must be clean and bright and well packed. A slack-packed barrel, however good otherwise, will not sell for the top price.

The Christmas holidays are a fine time for marketing any vegetables yet on hand. If a shipper, let your commission man know what you have and then follow his advice in regard to shipments. As a rule the consignments should be on the market two or three days before Christmas. It pays to take pains in preparing vegetables for the holiday trade. People are in a good humor at that season, and are willing to pay good prices for high-grade stock.

Clean up about the house and barn before snow flies. Don't leave piles of rubbish lying around to mar the looks of the premises and harbor insects, mice and rats. Crippled boxes and barrels, odds and ends of lumber, etc., accumulate rapidly. Work them into kindling and store them in the wood-shed.

The 1917 seed catalogues will soon be coming. There will be many new things with wonderful stories of yields to tempt the unwary grower. The wise grower will not be fooled. He will stick to the old varieties, mostly, although he will give some of the new things a try-out.

## WAKE UP TO BEANS

BY TIM

While nosing among some old bulletins recently, I found one devoted to beans, which seemed good enough to transfer in part to the columns of THE FARM JOURNAL. Here are some extracts:

Why do we import annually such a vast quantity of beans to supply the home market? Why haven't we awakened to the fact of abundant profit from easy crops of beans raised at home? Farmers all over the country should become aroused to the importance of this hardy, nourishing vegetable, its importance as a staple article of diet—wholesome and nourishing—and its value to the farmer as a safe and profitable crop. Almost anywhere in the Union, beans of one variety or another can be grown profitably.

They will mature successfully in all northern states, and many of the southern states have made excellent showings in the way of good bean production.

More people are eating beans. It is no longer the laboring classes, those who are forced to economize, who select beans as an article of steady diet. People are learning the remarkable nutriment of well-cooked beans.

American canners by vigorous exploitation have created a new demand for beans. They have brought people to a knowledge of the delicious flavor of beans when rightly prepared, as well as their rich food value. And, because of the trade they have thus built up, these industries consume annually quantities of beans so vast that they are almost unbelievable.

The market page, with its reports of high and steadily increasing prices, is proving a decided encouragement to the farmer—is opening his eyes to the really tremendous possibilities in bean culture.

Simple white "navy" beans are gaining in popular favor at an extraordinary rate. Wherever wheat and corn will grow you can raise beans.

From every point of view there is wisdom in the old saying about the man who "knows beans." Everybody ought to know them—from the consumer whose bone and tissue, brain and muscle, are all enriched and improved by a diet of good old-fashioned beans, to the farmer, who in beans has an opportunity of raising a safe and heavy crop and of finding a ready market at top prices.

Of all vegetables, beans come nearest to taking the place of meat as a food. No family having access to a bushel of beans need have meat on the table more than six times a week, and hardly that.

## THE SCARCITY OF HELP

*Old-fashioned "Bees" Suggested As a Partial Remedy*

We never suffered from shortage of help as we have this season. We believe that the old-fashioned "bee" is about the best and only remedy in sight. Given folks who have the right spirit and who are reasonably congenial, a bee is a lark, as well as an opportunity and a means of mutual helpfulness. About the only survivals of the bees that were so common no longer than sixty or seventy years ago, are the quilting bee and husking bee. Has not the time arrived to revive the haying bee, the planting bee, the harvesting bee, the thrashing bee, the wood-cutting bee, and the like? These may include the women and children also.

Bees have advantages beyond the mere pecuniary benefit to the one "beed." They tend to reestablish the old-time neighborliness dissipated by the telephone, the trolley car, the auto and the thousand and one made-to-order spare-time diversions. They tend to break down clique, class and club exclusiveness, to develop and strengthen community welfare sentiment, and conversely to safeguard against encroachments on community welfare. They tend to strengthen the weak, timid and naturally dependent, and furnish opportunity for community leadership.

So now we suggest that THE FARM JOURNAL folks plan for all kinds of bees for the season of 1917, and in the meantime be getting their hands in by having one or two right now. And be sure to name a refreshment committee and invite the neighborhood fun-maker.


**Spend Your Winter in sunny California**

**See the land where you can farm 365 days in the year**

Enjoy an outing there, while things are frozen up at home. Look around and study California farming conditions.

California has what you want—a year-round growing season—a climate where stock can be raised without costly shelter—good prices for your produce—good roads—ideal living conditions.

The heart of California is the San Joaquin Valley—50 to 90 miles wide, 200 miles in length. Rimmed by mountains, with streams that irrigate millions of rich acres. Room for four times present population. You can raise nearly everything, from alfalfa to wheat, apricots to oranges. Dairying, live stock, vineyards, orchards, make money for their owners.

Go just for the outing, if nothing else. You will enjoy the trip over the Santa Fe. Go economically in a tourist sleeper; personally conducted excursions three times a week.

Reduced fares, with nine months' return limit.

Drop us a postal today for California land books. Ask any questions you wish about land and living conditions.

*C. L. Seagrawes, Industrial Commissioner, Atchison, Topeka & Santa Fe Ry., 2207 Railway Exchange, Chicago.*



**One Horse Is Enough**

No need to lose dollars these days by incomplete tillage. If you have *one* horse—that is enough! You can do as good work as the big outfits on the largest farms, when you use one of the *several types* of light draft, 1-horse sizes of the

**Cutaway CLARK Disk Harrows**

Disks, cutlery steel *forged sharp*; reversible gangs; dust-proof, oil-soaked hardwood bearings are a few of its features. If your dealer has not the genuine CUTAWAY, write direct. Send for free book "The Soil and Its Tillage," and for special folder illustrating one-horse implements.

**The Cutaway Harrow Company**

*Maker of the original CLARK disk harrows and plows*

5016 Main Street, Higganum Conn.

Sold for twenty-five years. Guaranteed by the largest Watch Manufacturers in the World.

# Ingersoll Watches

Fifty Million Watches Sold. Five Million a Year being Sold, or 16,000 a Day.

## GLOW DIALS

¾ actual size

***"Radiolite"***

The regular Ingersoll with "Radiolite" figures and hands. **$2.00**

***"Radiolite" Strap Watch***

Popular with motorists, soldiers, campers, and all active out-door men. **$4.00**

***"Radiolite" Two-in-One***

To stand on bureau in case, or to carry in pocket. **$2.25**

# A Watch to tell Time in the Dark, and in Daylight, too!

Twenty-five years ago, Robert H. Ingersoll, a Michigan farmer's son, made the first Ingersoll Watch—low-priced and sturdy.

Now he has brought out a watch even more useful to the farmer. Its hands and figures are coated with a new substance called

# "RADIOLITE"

*(Radium Lighted)*

which shines brightly at night, and shows time in the dark, as well as in daytime. The light-giving power of this substance comes from genuine radium, and lasts six to eight years. "RADIOLITE" is no mere phosphorescent compound; it needs no exposure to the daylight.

You can now examine the "RADIOLITE" and other models at stores in your neighborhood. All are guaranteed by a house with the highest commercial rating, known the world over for standing by its warranties.

## Ingersolls Best for Farm

Ingersoll Watches run accurately even when exposed to hard knocks, changeable weather and dampness—conditions that would put delicate, high-priced watches into the repair shop.

And now with the "RADIOLITE" feature they are useful day and night. For instance, in the dark barn, where it is dangerous to strike a match; or in the field where it is difficult; also in the house, on the bureau or under the pillow at night.

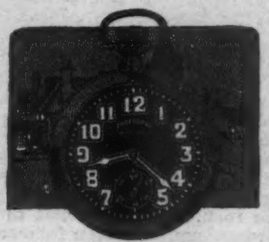
*Always look for the Ingersoll name on the dial.* No others are genuine Ingersolls, and so lack the patented features of Ingersolls, and the quality due to enormous output. If the store has not the model you want, write to one of the addresses below.

## JEWELED

¾ actual size

***Ingersoll Waterbury***

A new watch with a good old name. A man's watch, small and with four jewels. Plain dial. **$3.00**



***Waterbury "Radiolite"***

The Waterbury with "Radiolite" figures and hands. **$4.00**

***Ingersoll Reliance***

Plain dial; seven-jeweled, thin. **$3.00**

Also in screw case. **$3.50**

In ten-year gold-filled case. **$6.00**

**ROBT. H. INGERSOLL & BRO.** 315 Fourth Ave., New York City — 37 S. Wabash Ave., Chicago — 360 Fremont St., San Francisco

## AT THE TOP OF THE YEAR

BY FARMER VINCENT

*Some Things It May Show Us*

WE have reached the top of the year. Looking both ways, what do we see? Have we done everything the very best we could? What can we do to make next year prosperous and happy?

The only good we can get out of the past is to use it as a pattern by which to shape the future. If it does not look so well to us as we wish it did, we can clip a bit off here and a little more there, so as to give us a better model for the coming year.

Maybe we can see now that we have not done just the fair thing by the cows. They have been better to us than we have to them; and yet, there is not any very wonderful record at the end of the year. So we determine that we will be a little more faithful in this part of our farm work.

Or perhaps we have spent money before we earned it. We have been to town a good many times when we took away more than we brought back in the way of good hard cash. We know that this is the road to trouble. Let's quit it, now, and make it a rule to save something every month, and to have a little bit more money on hand when we get back from town than we had when we went away in the morning.

And does the top of the hill show us how we can be better men and women than we have been this year? We want to be. It is the real desire of our hearts to be not only better farmers, better citizens, better neighbors, but also better men.

The past we can not help; it is all done. But we surely can make a great deal better record for the days to come. Let's do it!

## CONTRASTING METHODS

BY E. A. WENDT

Two brothers who had a large early garden, decided to sell their surplus vegetables. Dividing their first gathering into two equal loads, the elder brother took his to a fair-sized town on a railway, stopping on the way at all houses along the main road. Next he went to a smaller railway town, and then followed another much-traveled road as he returned home. He had sold only about a dollar's worth when he reached home at night.

The younger brother started in another direction, following a main highway until he discovered that the smooth road was covered almost daily by small trucks and wagons coming from the towns, and carrying several varieties of vegetables and fruits besides those he could offer. The regulars had started early, carrying stuff shipped from the far South to the northern city markets. He learned that the regulars seldom wandered into the rough hilly by-roads, so he turned into these little-used roads, sold his load to folks who were hungry for the stuff, and was back home by noon.

## DIVERSIFIED FARMING

The farmers raise so many crops the harvest season never stops. They're always reaping oats or hay, or putting winter wheat away; alfalfa helps to pay their bills and keeps good money in their tills, and they have corn and Johnson grass, and sorghum, rape and garden sass. So, be the weather dry or wet, some crop will be a good safe bet. The beans may shrivel in the heat, but there'll be divers kinds of wheat; the oats may languish in the rain, but there'll be lots of other grain. The cockleburs may pine away, but there'll be stacks of luscious hay. The western farmers used to raise but little else than yellow maize, and if a crop they chanced to lose, in wintertime they ate their shoes. Crop failure meant a famine then; the fields were full of hungry men. But now the corn may die the death, may wither in the hot wind's breath, and still the farmers tool their cars while nothing their bright prospect mars, and take to town the shining bones, and buy a peck of precious stones.

WALT MASON.

[Copyright by The George Matthew Adams Service.]

## KING ALCOHOL

*How Long Are We to Be Trodden Under Foot?*

Fifteen years ago I knew a man who was the picture of health. He was well dressed, owned a good farm, had a bright happy family, and was doing well in every way. To-day his face is haggard and his hair and beard are white. His footsteps totter and he hardly speaks but to use an oath. His prosperous farm, long neglected, was sold and the money used to buy whiskey. His children are starved and ignorant, his wife a wreck, and whiskey alone has wrought this change. The greatest enemy our nation has is alcohol, the king of evil. How long are we to be trodden under foot by this horrible demon in this free country where our forefathers died that we might have peaceful happy homes? PEARL M. SERGENT, *Kentucky.*

On this page are advertisements of small fruits, stump pullers, seeds, ditcher, fertilizers, land and planter.

*ADVERTISEMENTS*

*When you write to an advertiser tell him that you saw his card in The Farm Journal. It is to your interest to do so.*

**Strawberries**
Summer and Fall Bearing
Headquarters for Strawberry and all kinds Berry Fruit Plants, Fruit Trees, Roses, Ornamental Trees, Shrubs, Vines, Seed Potatoes, Baskets, etc. Catalog free. Address
L. J. Farmer, Box 710, Pulaski, N.Y.

ALSIKE CLOVER AND TIMOTHY $4.05 bu.
Alsike, Timothy and Red Clover, mixed, just right for meadow. Good, clean seed. Bags weighed in free. Timothy (Recleaned) .....$2.70 bu. Alfalfa (New crop, dry land) 10.80 bu. Other seeds in proportion. Satisfaction or your money back. Ask for free samples and catalog. Freight paid in Zone 2.
"From Iowa, and proud of it"
HENRY FIELD SEED CO.
Shenandoah, Iowa.

**CLOVER AND TIMOTHY $4.75 Per Bu.**
DECIDED BARGAIN—INVESTIGATE and Save Money
Red Clover and Timothy mixed—the standard grasses, cannot be surpassed for hay or pasture. Contains 1-3 clover, just right to sow. Thoroughly cleaned and sold on approval, subject to government test. Ask for this mixed seed if you want our greatest bargain. Have Pure Clover, Sweet Clover, Timothy and all Field and Grass Seeds. Write today for free samples and 100-p. catalog.
A. A. BERRY SEED CO., BOX 809, CLARINDA, IOWA

All Steel, Adjustable Reversible
**Ditching and Terracing Made Easy—Bigger crops—better farms with Martin Farm Ditcher & Road Grader**
10 days' trial. Money-back guarantee.
Cuts ditch to 4 ft. Grades roads. Cleans ditches, cuts and works out dirt at same time. Does work of big machines. Soon pays for itself. Write for free booklet and introductory proposition.
Owensboro Ditcher & Grader Co., Inc., Box 106 Owensboro, Ky. Western Branch: Denver

AA QUALITY — THE AMERICAN AGRICULTURAL CHEMICAL COMPANY
**MORE MONEY**
for tenant more money for owner, in our Active Fertilizers.
Just ask nearest office for booklet. **Agents wanted.**
The AMERICAN AGRICULTURAL CHEMICAL COMPANY
New York, Baltimore, Buffalo, Philadelphia, Boston, Detroit, Cincinnati, Cleveland, etc.

**SOUTHERN FARMS**
Land is reasonably cheap in the NATION'S GARDEN SPOT
Let us find you a good farm in Virginia, the Carolinas, Georgia, Alabama, or Florida. Climate and soil just right for gardening, fruit growing, general farming, livestock and dairying.
ATLANTIC COAST LINE RAILROAD
*Information and descriptive literature free.*
Wilbur McCoy, Desk A, A. & I. Agent, Jacksonville, Fla.
G.A. Cardwell, Desk A, A. & I. Agent, Wilmington, N.C.

**IRON AGE**
Farm, Garden and Orchard Tools
Answer the farmers' big questions, How can I grow crops with less expense? How can I save in planting potatoes? How make high priced seed go farthest?
The IRON AGE Potato Planter solves the labor problem and makes the best use of high priced seed. Means $5 to $50 extra profit per acre. Every seed piece in its place and only one. Saves one to two bushels seed per acre. Uniform depth; even spacing. We make a full line of potato machinery. Send for booklet today.
No Misses
No Doubles
Bateman M'f'g Co., Box 12-B, Grenloch, N.J.

**Raise High Priced Wheat on Fertile Canadian Soil**

Canada extends to you a hearty invitation to settle on her **FREE Homestead lands of 160 acres each** or secure some of the low priced lands in **Manitoba, Saskatchewan and Alberta.** This year **wheat is higher** but **Canadian land just as cheap,** so the opportunity is more attractive than ever. Canada wants you to help **feed the world** by tilling some of her fertile soil **—land similar to that** which during many years **has averaged 20 to 45 bushels of wheat to the acre.** Think of the **money you can make** with wheat around **$2 a bushel** and land so easy to get. Wonderful yields also of **Oats, Barley and Flax. Mixed farming** in Western Canada is **as profitable an industry as grain growing.**

160 ACRE FARMS IN WESTERN CANADA FREE

The Government this year is asking farmers to put increased acreage into grain. Military service is not compulsory in Canada but there is a great demand for farm labor to replace the many young men who have volunteered for service. The climate is healthful and agreeable, railway facilities excellent, good schools and churches convenient. Write for literature as to reduced railway rates to Supt. of Immigration, Ottawa, Can., or to

F. A. HARRISON, 210 N. Third St., Harrisburg, Pa.
C. C. ROTLEDGE, 801 E. Genesee St., Syracuse, N.Y.
C. J. BROUGHTON, 112 W. Adams St., Chicago, Ill.
GEORGE A. HALL, 123 Second St., Milwaukee, Wis.
M. A. GARRETT, 311 Jackson St., St. Paul, Minn.
Canadian Government Agents.

## THE LIBERTY BELL BIRD CLUB

**Motto: Protect Our Feathered Friends**

EVERY one should become a member of this Club and help save the birds. To join, copy the pledge, sign your name and address, send it to us, and your name will be enrolled and the Club button and twenty-page Guide sent you free. There are no dues, no fines, no assessments. Ask the school-teacher to organize a Bird Club. Note: If two-color Certificate of Membership is desired, send ten cents.

*Pledge: I desire to become a member of The Liberty Bell Bird Club, and promise to study and protect all song and insectivorous birds, and do what I can for the Club.*

### MONTHLY CHAT

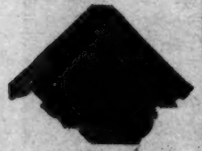
DEAR MEMBERS: "Peace on earth, good will to men" should mean much. This is the season of joy and gladness, and all of God's creatures should be remembered. We have had a great bird year, and can truthfully say that our feathered friends were never better protected. Judging from members' letters, the English sparrow, the cat and the red squirrel, led all other enemies. Pot hunters are still plying their trade, but more under cover. The light is shining in the East. In all cold districts the birds should now be fed. Don't forget that suet is one of the best winter foods. Provide shelter. Any box with part of the front removed and half filled with cotton, will do. It may be the means of saving many bird lives. Sleet storms are always destructive to birds. The little creatures become frozen to the limbs, and if the cold continues they often starve or become an easy prey to an enemy.

Our bird pictures, educational pamphlets, bird plays, pennant and bird-houses make fine Christmas gifts. A catalogue containing a full description will be sent upon request. By giving such presents you help the recipient, the birds and the Club. The president and secretary of the Club send greetings to our 730,000 members, and wish all a very Merry Christmas.

Address, The Liberty Bell Bird Club, THE FARM JOURNAL, Washington Square, Philadelphia, Pa.

#### CHRISTMAS PRESENTS FOR BIRD LOVERS

The Liberty Bell Bird Club houses make ideal Christmas presents, and will not only delight your friends, but help the birds. Send in your order at once and the houses will go forward postpaid. These houses have been tested and are right.



No. 17

Wren or bluebird house No. 50, seventy-five cents. Wren house No. 17, $1. Swinging wren or bluebird house No. 12, $1.25. Bracket house No. 100, $1. Feeding house, $5. If outside of the fourth parcel post zone, add ten per cent. to your order. Get your order in to us early. Complete illustrated catalogue on request.

#### FEEDING TRAYS

Made of cedar. They are 9½ x 14 inches, and just the thing to fasten outside of your window or on top of a post. Sent postpaid for fifty cents.

#### WALLOPS ISLAND SANCTUARY NOTES

BY DR. B. H. WARREN

Rails, long and slimly built birds, inhabit the salt and fresh-water marshes. There are in the eastern United States several species and some sub-species or local races of this group of birds. The larger species are hunted by sportsmen. Rails are secretive creatures and love to skulk and hide in the tall grasses, reeds and weeds of the boggy marshes they inhabit. When hard pressed by enemies they prefer to escape by running and hiding rather than by flight.

The clapper rail, or mud-hen, is a frequenter of salt-water marshes, and is


**Gifts of Good Footwear Give Christmas Joy**

The farmer is the one man who has not fallen into the habit of giving useless things for Christmas.

For men and women as well as boys and girls, "Ball-Band" Rubber Footwear means dry, comfortable feet.

"Ball-Band" makes an especially sensible and valuable Christmas present because of its high quality.

It looks its quality when new, and proves its quality when old.

**"BALL (Red) BAND"**

The younger boys will be proud of their "Ball-Band" Footwear. They have seen the older men wear it, and they want it for that reason.

If your hired hand does not know that "Ball-Band" gives more days wear at the lowest cost per days wear, give him a pair and let him see what a real saving rubber footwear quality means.

"Ball-Band" Light Weight Rubbers for all the family have the Red Ball on the sole and "Ball-Band" Quality all through them. Look for the Red Ball before you buy. It is the "Ball-Band" Trade Mark.

Your dealer will supply you. Sold by 55,000 dealers and worn by over nine million people.

**If Your Merchant Does Not Sell "Ball-Band," Write Us**

Write anyway for Free Illustrated Booklet showing many different kinds of Footwear, any of which would make a sensible gift.

MISHAWAKA WOOLEN MFG. CO., 307 Water Street, MISHAWAKA, INDIANA

*"The House That Pays Millions for Quality"*

common from coastal districts of New Jersey southward. It weighs, when full grown, ten to fourteen ounces.

The king rail, also called big red rail and marsh-hen, is about the same size as the clapper rail. It inhabits fresh-water marshes and swamps.

The Carolina or sora rail, and the little red or Virginia rail, both inhabit marshes. They are most numerous during migrations about the extensive marsh lands of tidal rivers.

Rails live upon different kinds of aquatic insects and seeds of various water-plants. Their flesh is considered a great table delicacy.

### WEEKLY CLUB STUDY FOR FRIDAY CLASSES IN DECEMBER

December 1st. Describe the birds that stay in your district all winter. What means can be used to attract them?

December 8th. How do birds train their young? Give an account of the activities of some young birds you have seen.

December 15th. Why should a yearly report of your bird work be sent to the editor in Philadelphia? Is there a Liberty Bell Bird Club in your district school? If so, tell of its work.

December 22d. Describe a "Birds' Christmas Tree." Why should all think of the birds at this season?

December 29th. Do birds of different species migrate together? Describe the junco and tell of its habits.

### JUNCO

It belongs to the finch family, and is also called "snowbird" and "slate-colored snowbird." Length: 5.5 to 6.5 inches. Color: Male, upper parts slate colored; darkest on head and neck, which are almost black. Gray on breast, underneath white. Dark gray tail with outer feathers white. Female, lighter gray inclining to brown. Range: North America; breeds in the Catskills and Northern New England. Winters south to the Gulf. Migrations: September and April. Winter resident. Song: A sweet trill, especially pleasing when many are singing. Nest of grasses on the ground, well concealed by the side of a shrub or bunch of weeds. Eggs: Three or four, whitish sprinkled with brown.

The junco is one of our well-known winter birds; very sociable, trim, sprightly, vivacious but never quarrelsome. Frequently seen with chickadees and tree-sparrows. Juncoes are usually in flocks of from ten to fifty, busily feeding on the ground near evergreens. Their food is of divers weeds and grasses. These little "gray monks and nuns" are a great delight during the cold winter months, and we should attract them by giving them crumbs, seed, etc. There are several subspecies—the Carolina junco, the western white-winged junco, the Oregon junco, pink-sided junco, Thurber junco, gray-headed junco, Baird junco and Guadalupe junco. The habits of all the juncoes are similar.

### THE BIRDS' CHRISTMAS TREE

Again we ask our members to have a Christmas tree for the birds. An evergreen is best, but any tree will do. If it is not an evergreen, tie sheaves of wheat, corn-stalks and branches of evergreen or holly all over it so as to make it dense. See that the tree is planted securely and in a location partially protected from the wind. Hang on it wire baskets filled with suet; and boxes with the fronts removed, in which are placed a variety of feeds—sunflower-seed, hemp, cracked corn, rolled oats, millet, wheat, nut meats, bread-crumbs, etc. Cocoanut shells can be cut in half, filled and suspended from the branches. Also have a shelf with lettuce, cabbages, cut vegetables and apples on it. In the cold districts have a shelter box half filled with cotton, with an opening about three inches in diameter where cold and half-frozen birds can find a haven of comfort. Use tin or wire around the tree to keep cats and other enemies away. A pan of water should be placed in a convenient locality. To keep this from freezing, heat a brick and place the pan on it.

TO INDUCE HABITS OF THRIFT, THE TWO BIRD CHILDREN RECEIVED NEW POCKETBOOKS ON CHRISTMAS, IN WHICH TO KEEP THEIR "BILLS"

*Feeding the Birds at Buck Hill Falls Liberty Bell Bird Club Sanctuary No. 3*

### GOOD SUGGESTIONS

To keep the water from freezing in my pans I heated a piece of old cement sidewalk and placed the pans on it. To prevent mice from getting to my feeding house, which is on a pole, I nailed a piece of tin a foot wide around the post, and this stopped them. The English sparrows destroy the robins' nests here.

*Indiana.* WALTER J. PLETCHER.

To make a good suet basket, take one-inch-mesh poultry wire and cut a piece a foot square. Select a good tree, place the wire upright, and tack the bottom to stay; then place the strips of suet in back of wire and use two long wire nails bent over as locks for the top of this home-made low-price and efficient "all-day lunch."

*New Jersey.* EUGENE H. SWAIN.

### BIRDS THAT CALL THEIR NAMES

This list is from our members in answer to our May contest:

| BIRD | CALL |
|---|---|
| Bobolink, | bob-o-link. |
| Chickadee, | chick-a-dee-dee. |
| Chipping Sparrow, | chip, chip, chip, chip. |
| Bob-white, | bob-white. |
| Phœbe, | phœbe-pewit-phœbe. |
| Towhee or Chewink, | tow-hee-e-e or cherink. |
| Blue Jay, | jay-jay. |
| Whippoorwill, | whip-poor-will. |
| Chuck-will's-widow, | chuck-will's-widow. |
| Wood Pewee, | pe-ah-whee, pee-wee. |
| Least Flycatcher (chebec), | chebec. |
| Poor-will, | poor-will-ee. |
| Florida Jay, | jay-jay. |
| White-throated Sparrow or Peabody bird, | pea-bo-dy-bird. |
| Hudsonian Chickadee, | chick-a-dee-dee-dee. |
| Killdeer, | kill-dee, kill-dee. |
| Black-billed Cuckoo, | kou-kou, kuck-oo. |
| California Bush Tit, | tsit-tsit. |
| Kittiwake, | kitt-i-wake. |
| Willet, | pilly-will-willet. |
| Saw-whet Owl, | saw-whet. |
| Night Jar, | jar-r-r-r. |
| Curlew, | ker-loo. |
| Chat, | chat. |
| Wheatear, | wheat-ear. |
| Pipit, | pip-it. |
| Flicker, | flee-ker. |
| Murre, | mur-re. |
| Dickcissel, | dick-dick-ciss-el. |

### A FEEDING STATION

The time is coming when every farmer will realize the value of bird life, and then feeding stations will become a fixture on every well-regulated farm. Here is an illustration of a feeding station easily made. Some birds will only feed from the ground, and this house has a place for such birds and also an upper feed table. The distance from ground to bottom of roof is five feet, and the house should be about four and one-half feet square. The upper feed table is two feet square and placed four feet six inches from the ground. Build of cedar or other wood with the bark on. Make the roof waterproof. A space in the top of this house can be made as a shelter for winter birds, or as a bird-house.

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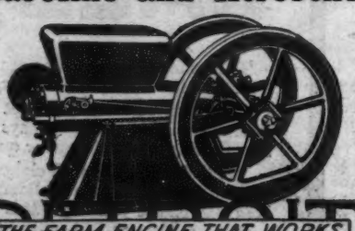

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1606

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## HOW TO DRESS

*That suit is best that fits me*

IT is well to have a little fancy work on hand to pick up during odd moments. With a piece of work planned and started, it is surprising how much one can accomplish while chatting with a neighbor or waiting for the folks. Just at present there is a fancy for using the bluebird, symbol of happiness, in decoration. Embroidered in outline stitch, using blue thread, it is quaintly pretty and easily done. In the illustration No. 15-9-84, we show the stamping pattern for a twenty-two-inch centerpiece, with a flock of the birds encircling it, the edges finished with an embroidered scallop. Linen or linen-finished fabrics are used for the centerpiece, and the scalloped edge may be done in blue to match the birds, or in white. We can also furnish stamping patterns to match for a set of doilies, which will look well with the centerpiece; and a design for napkins, which are cut square, the edges to be rolled and finished with blue thread in the cross-stitch effect. We also have a design for an oval piece which may be used as a tray-cloth, carving-cloth; or the birds could be stamped upon the ends of a table-runner or sideboard scarf. Be sure, in ordering, to state just which designs you wish, whether for the centerpiece, doilies, napkins, or oval; the price of the patterns is ten cents each.

15-9-84. 22 inch

Skirts are much plaited, and all kinds of plaits are used. The high waist-line is still in favor, but does not look well on the short-waisted figure. Collars and cuffs are large, and there is an effort to revive the stock collars on blouses.

In ladies' dress No. 8870 we have the very acme of comfort, combined with style and simplicity. The dress is made of blue serge, with black braid trimming the skirt, sleeves and girdle. Black crochet buttons are used for closing, and white collar and cuffs form a dainty finish.

In No. 8095 we have a house dress which will appeal to many. The blouse waist is fastened to a four-gored skirt, the girdle, pockets and collar are all in the popular style, the dress is buttoned down the front and the sleeves comfortable in cut. The model is an excellent one for either cotton or wool.

Ladies' waist No. 8068 has a pretty touch in the way the fronts are cut in tab effect and crossed, just below the line of the bust. The sleeves are full and gathered into cuffs to match the collar. The model is excellent for silk, challis or flannel.

A great many people have furs stored away which would do good service if remodelled and brought up to date. In No. 8065 we show a good design, easily managed. The scarf is interlined with wool or cotton wadding. If the furs are very heavy, outing flannel is a sufficient lining. Both the scarf and the melon-shaped muff are lined with silk, and the sewing would best be done with a furrier's needle.

The useful and pretty apron shown in No. 8092 would make an acceptable Christmas gift, one which would cause the donor to be held in grateful remembrance. Percale, chambray and seersucker are all used, with bands of a contrasting color for trimming.

A comfortable coat, simple in cut and finish, is found in No. 8066. The collar and cuffs may be made of fur, fur fabrics or velvet. The coat may be lined throughout, or to hip length.

A charming dress for misses is given in No. 8080, with its plaited skirt and long-waisted effect. The front panel extends to the collar, which may be of white linen or broadcloth; the girdle, cuffs and buttons are of satin.

Plaited frock for girls, No. 8078, shows a pretty style for either plain or plaid materials. The collar and cuffs may be of the plain material, or of white linen.

The frock shown in No. 8073 is childish and becoming, and prettily developed in soft woolen materials, with a front lacing of ribbon or braid, which may be omitted.

A good coat for the little ones is shown in No. 8085, with straight unbelted effect and a cape collar. Cloth, velveteen and corduroy are all used. An interlining of wool wadding across the top adds to the warmth.

Pattern No. 8089 provides for two bags for household use, a sewing bag, having an embroidery hoop for the top, and pockets at the sides, and a laundry bag.

Dolls' set of clothes No. 7398 consists of coat, cap, dress, guimpe and petticoat in one, and combination underwaist and drawers, and a nightgown. Only those who have struggled to make dolly's clothes fit, can appreciate how comfortable it is to have a set of patterns to go by. Such little garments should always be made so that they can be taken off and put on by the little mother.

Infant's cozy wrap No. 8109 is just what the up-to-date baby needs when he takes his nap out-of-doors. The hood has a draw string which fits it to the head, the sleeves and bottom edge are turned up and buttoned, and any baby would rejoice to have so useful and "comfy" a garment to wear.

A good Russian suit for small boys is given in No. 8054, an excellent design for winter wear, as it makes up well in serge, cheviot, poplin or any medium-weight material. Braid or machine stitching will do for the finish. The trousers may be left straight or finished in bloomer style.


# The Farm Journal Patterns

are the best in the market, and are guaranteed. Our Farm Journal Fair Play comes in with every order. Full directions, including quantity of material, accompany each pattern. In ordering, be sure to give *number* and *size* of the pattern wanted. For ladies' upper garments give bust measure taken over the fullest part of the bust; for skirts and under garments give waist and hip measurements. For misses' upper garments give age and bust measure; for skirts and under garments give age, waist and hip measurements. For children give age, breast measurement and length of back. Children of same age vary in size. For instance,—the average child of six years will measure 24 in. over the breast, but there are many young children of ten years who will measure only 24 in. In such case you need a six-year-old pattern. Price, 10 cents for any pattern. THE FARM JOURNAL, Philadelphia.

**8068. Ladies' Waist.** 4 sizes, 36, 38, 40, 42 inches bust measure. **8089. Bags.** Cut in one size. **7398. Dolls' Set of Clothes.** 7 sizes, 14, 16, 18, 20, 22, 24, 26 inches in length. **8109. Infants' Cozy Wrap.** Cut in one size. **8065. Ladies' Fur Set.** Cut in one size. **8070. Ladies' Dress.** 5 sizes, 36, 38, 40, 42, 44 inches bust measure. **8078. Girls' Dress.** 4 sizes, 6, 8, 10, 12 years. **8085. Child's Coat.** 4 sizes, 2, 4, 6, 8 years. **8080. Misses' Dress.** 4 sizes, 14, 16, 18, 20 years. **8092. Ladies' Apron.** 3 sizes, 36, 40, 44 inches bust measure. **8073. Children's Dress.** 4 sizes, 4, 6, 8, 10 years. **8066. Ladies' Coat.** 3 sizes, 36, 40, 44 inches bust measure. **8054. Boys' Russian Suit.** 3 sizes, 2, 4, 6 years. **8095. Ladies' House Dress.** 5 sizes, 36, 38, 40, 42, 44 inches bust measure.

Be careful to give size and *correct measure*. Keep this page for future use. Send 10 cents in silver or in stamps for each pattern. For 2 cents we will send a copy of "The Fashion World"; and for 25 cents our new booklet, "Dressmaking Self-Taught."

Address, THE FARM JOURNAL, Washington Square, Philadelphia, Pa.

# THE HOUSEHOLD

*The Homes of a Nation are its Strongest Forts*

As we need more light, more is given. We complain of the darkness often because we fail to utilize all the light we have.

*Love while we may, before our hope is shaken,*
*And faith and joy are crumbling in despair;*
*Love while we may, before our peace is taken,*
*Oh, teach us, Time, to suffer and forbear!*
*And when at last the evening shadow lengthens,*
*And welcome Death comes like a friend at last,*
*Then, then, all-conquering Love our weakness strengthens,*
*And so wipes out the memory of the past.* ROSLYN GREY.

The policy and purpose of this paper is to "Ever Help and Never Harm its Readers."

## HOMESPUN

BY THE TENNESSEE LADY

Here on our hearth are piled logs of hickory, pine and oak, and as the ruddy glow of the firelight gleams on the window-pane we forget that the cold winter winds are raging outside, and fancy that the glow is the summer sun which has been imprisoned in the heart of the logs as they grew on the hills. Thus we are cheered by the glowing firelight, and old King Winter loses his terrors for us.

In the country we know the true meaning of the word "neighbor." We all know, and are interested in, each other, and all are on an equal footing—if honest and respectable—regardless of wealth or station. If any one is in trouble the news flies quickly, and offers of help come from nearly every home. If a farmer is sick and his crops need attention the men gather and do whatever is necessary. If death visits a home the neighbors help bury the dead. If a house burns down it is quickly replaced and furnished. If one has fruits and vegetables they are divided with less fortunate neighbors. The farm women exchange garden and flower seeds, bulbs and cuttings, and give them away expecting nothing in return. Nothing the city could offer would make up to us the loss of the neighborliness which we know on the farm.

This old world is a dreary place for the men or women who only see the bad in all with whom they come in contact. If they go to the stores the clerks all try to cheat them; if they have dealings with a neighbor they act as if they thought he was trying to get their cash and give nothing in return. They trust no one, and in return no one trusts them. To the people who go about with smiling faces, who can see the good in every one and who try to cheer their fellow men, this old world is a very pleasant place, and all who meet them trust them.

Sometimes the adverse winds blow so hard and strong that we all feel like giving up everything; the road is so long and steep, success seems so far away, and we are filled with doubts and fears. But that is just the time to hold on. Those things are sent to try us, and if we prove ourselves to be made of the right kind of mettle, and if we hold on, we are sure to reach our goal somehow. If we just hold on to what's best and never give up no matter how strongly we may be tempted, success will crown our efforts finally.

We all try to be what people think we are. If we know others are expecting us to do something great, we are much more likely to accomplish it than if they were saying we'd never do anything. Let us take the lesson home and try to encourage people by telling them all the good things we hear others say of them, and also let them know that we think they possess many talents. The man who thinks that no one cares anything about him, and that no one expects anything of him, is not going to try very hard to do anything.

## THE PAWNBROKER'S SHOP

BY LYDIA M. D. O'NEIL

A spear that is dulled and rusted,
And a tarnished battle-shield;
A helmet, broken and battered,
From a Roman battle-field.
An ivory image of Buddha;
A collar of turquoise blue
From the land of the ancient Incas—
The ruins of old Peru.

A new and shiny revolver;
A rosary, pearly and pale;
A tambourine and a banjo,
And a Saxon suit of mail.
A vase of silver from Karnak;
A brooch, and a diamond pin;
A first edition of Chaucer,
And a genuine (?) Strad violin.

Outside, there's a name, "J. Cohen,"
And a sign, three glittering balls.
But within, what curious objects
In cases, on counters and walls,
Ranging from crucifix carven
To a quaint little gyroscope top!
'Tis a Hall of a Thousand Wonders,
This modern pawnbroker's shop.

Often we hear a group of intelligent women sit down and discuss a neighborhood scandal for hours at a time. Many times there's but little truth in the whole thing, but these women will discuss what "they say," never thinking how they themselves would feel if gossiped about in this way. When we are tempted to meddle and gossip about other people's affairs, we should ask ourselves how we'd like to have people say such things of us. If we do that we are not likely to say very much.

All of us would like to be able to leave our children a fortune so they could take life easy; but it would be so much better for them if we'd teach them the value and dignity of labor, and the beauty of truth and virtue. These are the best things of life. Children could soon run through a fortune if so minded, but these things will stay by them through life and be a stay long after mere money has vanished.

He is worthy of all trust if the horses, cattle and all the farm creatures crowd about him the minute he approaches, and if you notice he gives one an affectionate pat, another a playful push, as he proceeds to give them their supper. Yes, he's all right! But if he yells and strikes out right and left, and the dumb creatures all shrink into a corner, he will bear watching.

The man who sells the calves for veal just as soon as they're weaned, and is always afraid to try to winter any stock, is soon going to be a man who has a run-down farm, for no man can keep up the fertility of his farm unless he raises all the stock his farm can carry.

The woman who stands behind her neighbor laughing at her peculiar ways is very apt to be laughed at by some one behind her. It is the way of the world, you know.

Some people watch the clock very closely when working for another person. I suppose they want to see how much work they can accomplish before quitting time.

Boys, you may fail to see anything very pretty about the patches which mother has neatly sewed on your overalls and coats, but they show that some one loves you and cares for your comfort. Many a ragged boy, wandering alone without home or mother, would give the world to-night, were it his to give, to have the love and care that are bestowed on you.

## ALWAYS SOMETHING

It's hard to save for the rainy day; there's always something for which to pay; there's always something demanding coin; we have to pay for the tenderloin, for the grocer's prunes and the baker's bread, new pillowslips for the guest-room bed, for a hat for Jane and a shoe for Jake, for seeds and bulbs and a garden rake! We must subscribe for some magazines, and the house needs paint and the windows screens; and we need some salve for the springtime corns, and the cow requires a new set of horns; we must hire a man who can prune the trees, and make some stalls for the bumblebees, and haul away all the winter's trash—there's always something demanding cash! A man must study and engineer who'd save ten cents in a passing year, who'd have a bone for the rainy day, as a rod and staff when he's old and gray, to buy a shroud when the journey's done—there's always something demanding mon! WALT MASON.

[Copyright by The George Matthew Adams Service.]

## CONCERNING CERTAIN DOMESTIC AFFAIRS

*While rich men sigh and poor men fret,*
*Dear me! We can't spare Christmas yet!*
*Time may do better,—maybe not;*
*Meanwhile, let's keep the day we've got!*

Frugality is good, if liberality be joined with it. WILLIAM PENN.

"Poor Richard Almanac" for 1917 is out, and it is a good one. I know it for I edited it myself. It is free to you when you renew your subscription. Ten cents to non-subscribers.

One way to keep young is to associate with young people; but unless you can retain your interest in the things that please young people you will not want to associate with them, nor they with you.

Appreciation of the things most worthwhile never comes from excessive indulgence. A rational life is fairly certain to be an important factor in health and happiness. Many a man or woman whom Nature has endowed with but a medium physique, has cultivated and maintained a degree of bodily health sufficient to insure him or her a rational and pleasurable life. On the other hand, many a physical giant has so presumed upon Nature's

endowment as to have wrecked that most precious gift—a good constitution.

Buy from the stationer's a package of strong manila envelopes, size about 4 x 6 inches, and start a collection of clippings. Use one envelope for each subject, and you will soon have a valuable depository of information. It is much more convenient than pasting clippings in a book. The whole family will soon become enthusiastic, and each member will want envelopes for the subjects in which he is most interested.

There was a beautiful little meadow stream so clear and limpid in its flow, such a sparkling mass of flashing drops and rainbow colors in its tiny waterfall, that passers-by involuntarily stopped to watch and admire it. The man through whose land it ran resented their pleasure. "It's on my ground, and it's my stream," he said. "I paid for it, and it belongs to me. What right has every stranger to be enjoying my property?" So he built a high fence on each side of the stream, and then, because men could still mount the walls and look down, he roofed over the little cascade, and shut it away from the sky. But when he went into the long shed to view his treasure alone, there was nothing left but a little dark stream; its beauty had vanished with the freedom and the sunlight. The story of the stream is the story of every possession, gift or talent, whatever it may be, that we try to keep wholly to ourselves and refuse to share. We keep the form; the beauty and enjoyment escape us. R. E. D.

### *HOMELY WRINKLES*

*Not what we get, but what we give,*
*Is the right measure of how we live.*
*Not what we say, but what we do,*
*Is the test that tells if life's coin rings true.*

Give every boy a box of shoe-blacking and a brush for his own.

Lard keeps best in a dry up-stairs room; the cellar is apt to be too damp for it.

Useful rubber mats to place under flower-pots may be cut from discarded hot-water bottles.

A small cushion on the telephone stand would be appreciated by people whose elbows are not well padded by nature.

The housekeeper who brags about neatness usually isn't a bit neater than the one who lets people see for themselves. T.

There is no use telling a boy to stop doing something he ought not to do, unless you show him something better to do in its place.

"What's the difference between an elephant and a letter-box?" "Give it up." "Well, you'd be a nice one to send to post a letter."

To shrink yarn, wrap it in white cloth and lay it in a steamer over boiling water for an hour. When dry it may be used without fear of shrinking.

A flour-sifter, past use as such, will answer as an egg-boiler. The eggs can be placed in it and lowered into the boiling water, and all lifted out at once when done.

BELLES WRING IN JULY AS WELL AS AT CHRISTMAS!

Have you noticed that creases sometimes come in table-linen and are hard to iron out? The wringer does that. Won't be half so many of these creases if you wring the pieces by hand.

Rubbers worn gray or shabby can be very much improved in appearance, like leather shoes, by shining them with the ordinary polish for shining shoes.

When making out your Christmas gift list, put down the names of your poor friends first; then, if you have any money left, buy for your wealthier friends.

To soften brown sugar that has become lumpy place it in a cloth sack and hold the sack over the steam from a boiling teakettle. This is easier than rolling it on the bread-board, and takes less time.

With a washboard and tub I must stay here and scrub,
Though there's water but five rods away;
With a stove that won't draw, and a woodpile all raw,
Who says that housework is play?
MRS. P. T.

An ordinary wooden box covered with fiber cloth or cheap soft matting, makes a convenient and handsome receptacle for shirtwaists or other garments. The cover may be hinged on or left to be lifted entirely off when necessary, as you choose. The box can be used as a seat.

### *HOW TO DO THINGS*

*Father's coming now, his day's work done,*
*He's stronger than the storm;*
*He does not feel the cold, not he,*
*His heart it is so warm.*
*He makes all toil, all hardship light;*
*Would all men were the same!*
*So ready to be pleased, so kind,*
*So very slow to blame.*

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Gives a brilliant mellow light of 300 candle power. Costs less than one-third of a cent per hour to run. No wick to trim, no chimney to clean, no greasy oil to handle, no smoke, no odor. Nothing to get out of order. Can't spill, can't explode and no danger if tipped over. Will it only once a week. Clean it only once a year. If not on sale at your dealer's write for catalog showing many beautiful styles.

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Warm, restful, healthful, for bed-chamber, bath, sickroom. Easier than stiff-sole slippers. Warmin rubber heels absorb perspiration. Made of knitted fabric lined with soft wool fleece. Washable, unshrinkable. *Parker's name in every pair.* In all sizes at dealers or sent postpaid for 85c a pair.
J. H. PARKER CO., Dept. C, 25 James St., Malden, Mass.

**AGENTS—Only One in the World KEROSENE (Coal Oil) BURNER**

JUST OUT

Fits in any cook-stove. Makes its own gas from Kerosene (coal oil). Gives every home a gas stove. Absolutely safe. Cheapest fuel known.

**Cooks a meal for 1 cent**

Agents just coining money. Women wild about it. No more overheated kitchens. No more danger from gasoline.

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Every home a prospect. Low price makes quick sales. Easy to carry and demonstrate. Big profits. Your territory is open. Write today.
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EASTMAN KODAK CO., 365 State St., ROCHESTER, N. Y.

endowment as to have wrecked that most precious gift—a good constitution.

Buy from the stationer's a package of strong manila envelopes, size about 4 x 6 inches, and start a collection of clippings. Use one envelope for each subject, and you will soon have a valuable depository of information. It is much more convenient than pasting clippings in a book. The whole family will soon become enthusiastic, and each member will want envelopes for the subjects in which he is most interested.

There was a beautiful little meadow stream so clear and limpid in its flow, such a sparkling mass of flashing drops and rainbow colors in its tiny waterfall, that passers-by involuntarily stopped to watch and admire it. The man through whose land it ran resented their pleasure. "It's on my ground, and it's my stream," he said. "I paid for it, and it belongs to me. What right has every stranger to be enjoying my property?" So he built a high fence on each side of the stream, and then, because men could still mount the walls and look down, he roofed over the little cascade, and shut it away from the sky. But when he went into the long shed to view his treasure alone, there was nothing left but a little dark stream; its beauty had vanished with the freedom and the sunlight. The story of the stream is the story of every possession, gift or talent, whatever it may be, that we try to keep wholly to ourselves and refuse to share. We keep the form; the beauty and enjoyment escape us. R. E. D.

### *HOMELY WRINKLES*

*Not what we get, but what we give,*
*Is the right measure of how we live.*
*Not what we say, but what we do,*
*Is the test that tells if life's coin rings true.*

Give every boy a box of shoe-blacking and a brush for his own.

Lard keeps best in a dry up-stairs room; the cellar is apt to be too damp for it.

Useful rubber mats to place under flower-pots may be cut from discarded hot-water bottles.

A small cushion on the telephone stand would be appreciated by people whose elbows are not well padded by nature.

The housekeeper who brags about neatness usually isn't a bit neater than the one who lets people see for themselves. T.

There is no use telling a boy to stop doing something he ought not to do, unless you show him something better to do in its place.

"What's the difference between an elephant and a letter-box?" "Give it up." "Well, you'd be a nice one to send to post a letter."

To shrink yarn, wrap it in white cloth and lay it in a steamer over boiling water for an hour. When dry it may be used without fear of shrinking.

A flour-sifter, past use as such, will answer as an egg-boiler. The eggs can be placed in it and lowered into the boiling water, and all lifted out at once when done.

BELLES WRING IN JULY AS WELL AS AT CHRISTMAS!

Have you noticed that creases sometimes come in table-linen and are hard to iron out? The wringer does that. Won't be half so many of these creases if you wring the pieces by hand.

Rubbers worn gray or shabby can be very much improved in appearance, like leather shoes, by shining them with the ordinary polish for shining shoes.

When making out your Christmas gift list, put down the names of your poor friends first; then, if you have any money left, buy for your wealthier friends.

To soften brown sugar that has become lumpy place it in a cloth sack and hold the sack over the steam from a boiling teakettle. This is easier than rolling it on the bread-board, and takes less time.

With a washboard and tub I must stay here and scrub,
Though there's water but five rods away;
With a stove that won't draw, and a woodpile all raw,
Who says that housework is play?
MRS. P. T.

An ordinary wooden box covered with fiber cloth or cheap soft matting, makes a convenient and handsome receptacle for shirtwaists or other garments. The cover may be hinged on or left to be lifted entirely off when necessary, as you choose. The box can be used as a seat.

### *HOW TO DO THINGS*

*Father's coming now, his day's work done,*
*He's stronger than the storm;*
*He does not feel the cold, not he,*
*His heart it is so warm.*
*He makes all toil, all hardship light;*
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## THE FARMER'S LARDER

*Fresh and Smoked Meat*

ENTIRELY too much of the farmer's hard-earned money goes to buy meat that ought to be produced at home. Every neighborhood should have a beef club. We have heard of one consisting of fourteen members. Each member furnishes a beef, usually a fine two-year-old or steer. It is taken to one who does all of the killing and gets, as his share for this work, the hide of the animal. This man cuts the beef into fourteen pieces, and these are weighed and placed in packages numbered from one to fourteen. The members of the club also have their number, and No. 1, at the start, gets piece No. 1. At the second killing he gets piece No. 2, so that by the time fourteen beeves are killed each man will have been given a whole beef killed. The heart, liver and tongue of the beef go to the man who furnished it.

The beeves are killed in the last three days of each week, and the members of the club go to his place and get their meat. He keeps a strict account of the beef when it is given out, the piece number each person receives, and then at the end of the season renders a complete account of his season's work, together with the number of pounds furnished to each member.

In this way the farmers of High Prairie township, Kansas, have fresh beef the year around, do not have to come to town for it and do not have to pay exorbitant prices to the beef trust. Some such plan should become popular in all farming communities.

### HAMS AND SHOULDERS

Trim the hams and shoulders in good shape (add trimmings to the sausage meat). Lay the hams skin side down, and rub with a mixture in this proportion: For every 100 pounds of meat use four pounds of the best salt, two pounds of brown sugar, and a quarter pound of saltpeter. Mix together, divide in three equal parts, rub one-third well into the meat, and heap some on top. Repeat this twice within ten days, at intervals of two or three days. Rub the skin side as well as the cut side, and push some extra salt around the bone in the hock and into the hole made for the hanging string. After letting them lie about two weeks hang them in a cool, dark smokehouse, and keep up a faint smoke from hickory or apple chips smothered with sawdust. While the weather is cool it will not hurt them to hang there two or three weeks, as the slow smoking gives a delicate flavor.

For the brine cure, rub each piece with salt and let it drain over night, then pack in clean sweet barrels, with the hams and shoulders in the bottom; use the strips of bacon to fill in between, or put on top, but do not pack so closely that the brine can not get between them. For each 100 pounds of meat use eight pounds of salt, two pounds of brown sugar, and two ounces of saltpeter dissolved in four gallons of water. Boil, skim, cool, pour over the meat, and use a board and weight to keep it under. Bacon strips should remain in the brine four to six weeks; hams six to eight weeks. Remove the meat from the brine two or three days before smoking, wash it in tepid water, scrubbing it clean with a brush. Drain and hang it in the smokehouse so that no two pieces touch each other.

### PACK THE SAUSAGE

To keep sausage for winter use pack it in stone crocks and run two inches of hot lard over it. That for summer use may be canned. Make into small cakes and cook about two-thirds enough for the table, or until all the water is out. Pack in the cans while still cooking, fill them full of hot lard and seal at once; or it may be stuffed tightly in muslin bags, then the bags rolled in melted paraffine, which should be heated in a large flat pan. When cooked next summer it will be more delicate if you pour off all the fat after it is fried,

HIS BUSINESS; MR. PAUL PIG IS VERY SUCCESSFUL AS AN INTERIOR DECORATOR!

On this page are advertisements of loom, underwear and stoves.

*ADVERTISEMENTS*

*When you write to an advertiser tell him that you saw his card in The Farm Journal. It is to your interest to do so, as Our Folks are treated honestly and served with the best. Read the Fair Play notices on the first page.*


# START NOW

## Farm Journal Readers Can Easily Make $25 Per Week at Home

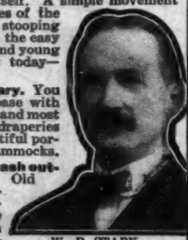
**Read What This Woman Does**

"Made over 11,000 yards of carpet on my loom in spare time the past three years," writes Mrs. Sadie E. Taggart, West Plains, Mo. "I never weave a day that I don't make 20 yards and I do my own housework. I weigh only 115 pounds—don't tire of weaving. Loom an good an investment as an 80-acre farm."

For over eight years I have been advertising in **The Farm Journal.** Scores of **Farm Journal Folks** are earning good money with Newcomb Looms. I want all Farm Journal readers to know how you can make your time most profitable—how you can engage in a delightful and fascinating occupation in your own home, that will not interfere with your other duties and assure you big profits for as much or as little time as you may be able to devote to it. I promise that you'll be **interested.** I say, and I know that every word I say is true, that you can **make more money** and **make it more easily** by weaving on a Newcomb Automatic Loom than at **any other kind of home employment.** My 20 years' experience with others and their letters **proves** what you can do.

## The Newcomb Automatic Loom

is made especially for **home workers.** Unlike any other loom, it practically works itself. A simple movement of the hand is all it requires of the operator. No treading—no stooping—no shuttle throwing. Just the easy work that thousands of old and young are making big money at today—**at home.**



W. B. STARK

who will help you start a money-making business.

**No experience is necessary.** You will be delighted with the ease with which you can make the finest and most durable carpets, rugs, mats, draperies of every kind, and even beautiful portieres, chenille curtains and hammocks.

Bear in mind, also, that **no cash outlay for supplies** is required. Old carpets, sacks, cast-off clothing and rags all furnish material for the loom. And the results you get with such material are simply wonderful. You can be sure, when you own a Newcomb, that you will have more than enough work to keep you busy. Many of our customers make from $25 to $30 a week weaving with the Newcomb, and **you can do likewise.**

**No Experience Necessary**

Let me send you some samples of the work you can do on a Newcomb Loom. The more you need the money the more I can and will help you to get started to making it.

**Do not neglect this opportunity. Write me today for my free catalog, "Weaving Wisdom," which tells all about our looms and the extremely reasonable prices on which you can obtain one of them.**

**W. B. STARK, Secretary,**
**NEWCOMB LOOM COMPANY**
**404 Taylor St., Davenport, Iowa**



# 10-rib Warmth

## Turns your winter into June

BROTHER! Just get your fingertips *inside* a Mayo 10-rib garment and feel that fleeced inner surface.

"Velvety," say you. Right. Imagine how good it feels when the icicles hang from the house 10 inches to 1½ feet long.

But the velvety hug of Mayo Underwear is due to far more than its fleeced inner surface. Mayo has the same knitting that's found in dollar underwear—10 ribs per inch instead of 8.

You can easily prove that by putting a ruler next to the fabric and *counting* those 10 ribs.

Does that close, snug, 10-rib knitting turn winter into June? It *does!* Will it turn *your* winter into June? It *will!* Get your Mayo Underwear before winter gets *you.*

*Men's Single Garments*
*Men's Union Suits*
*Boys' Union Suits*

Those who prefer the old-style 8-rib garments will find Mayo 8-rib Underwear an excellent value.

# Mayo

*Made from Mayo Yarn*

**The same 10-rib knitting that's found in dollar underwear.**

All dealers have Mayo Underwear or can very quickly get it for you.

THE MAYO MILLS, MAYODAN, N. C.

# HOOSIER Stoves Ranges Heaters FREE

To try in your own home 30 days free, no matter where you live. Show your friends. Send it back at our expense if you do not want to keep it. Hundreds of thousands in daily use. Perfect bakers, efficient heaters, made of high grade material, beautifully finished, smooth design, guaranteed for years by our Two Million Dollar Bond.

Ask your dealer to show you "HOOSIER" Stoves and Ranges. Write for our big free book showing photographs describing large assortment of sizes and designs of cast and steel ranges, cast cooks, soft and hard coal heaters and base burners to select from, explaining our free trial offer. Send postal today. Write name and address plainly. No obligations.

**HOOSIER STOVE COMPANY**
**128 State St. MARION, INDIANA**

pour in a little cream, boil it and pour over the sausage.

FOOT NOTES

Do not sprinkle meat with borax to keep off skippers, but wrap it thoroughly and hang it in an airy place where the mice can not get at it. The best method of wrapping meat for keeping over summer is to enclose it first in a cloth flour-sack and then in a paper flour-sack; tie the ends of the sacks tightly enough so that flies can not get in around the string.

Salt preserves meat through its astringent and slightly germicidal action. It hardens the muscle fibers and draws the moisture from the meat. Sugar and molasses have an almost opposite effect. They cause the retention of the moisture of meat, and keep the muscle fibers soft and tender. Therefore salt and sugar are commonly used together, as the sugar gives a desirable flavor and prevents the hardening action of the salt. Saltpeter is often used to retain the natural reddish color of the meat. It is detrimental to health and should be used sparingly if at all.

## KEEP WATCH

There is much said among people about domestic economy. Now, my dear Alice, we must go hand in hand in this matter. You surely know that much, very much, depends on our being united in the management of our family affairs, in order to keep our heads out of water, as we may say. It is said that a woman can throw out at a window with a teaspoon more than a man can throw in at the door with a broad shovel. It is your province, wife, to keep a good lookout, and see that Goody Waste, that old pestiferous hag, is no inmate of our family. Keep watch, otherwise she may be dashing in pieces our crockery; casting sweet and wholesome provisions into the hog pail; cracking the window-glass; spilling the oil; burning wood and coal unnecessarily; frying nutcakes and making candy when you are away,—and many other things too numerous to particularize.—From Old Farmer's Almanac.

## FORSAKEN

I go my weary course alone, abhorred and shunned where'er I'm known. No maidens smile when I draw near, but from my path they shrink with fear. For me there is no outstretched hand, no welcome smile in all the land. There is no lamp alight for me, no children climb upon my knee. Alone, alone, all, all alone! The gray world has a heart of stone, and pardon it will never give to its pariahs, while they live. I long to join the busy throng that moves in joyous haste along; I long to take my place again, and mingle with my fellowmen; but if I make a slight advance, I find the outcast has no chance, and voices rise, with anger fraught, "Go, Ishmael, we want you not!" Perhaps when I am gone to rest, and grass is green above my breast, some pilgrim, bending o'er my tomb, will say, "We drove him to his doom! Though dark and wicked his offense, his punishment was too intense. We drove him from his kind away, for eating onions every day!" WALT MASON.

[Copyright by The George Matthew Adams Service.]

## SOME USEFUL CHRISTMAS HINTS

BY LILIAN STAIR SCHREINER

*Now is the Time to Apply Them*

Keep a list of those to whom you give presents, and what you give to each. It will come handy another year.

Keep a note-book in which to inscribe the wishes you hear your friends express for some particular thing. It will help when you are undecided what to give.

Keep your eyes open in regard to the needs of your friends. An appropriate gift, whether expensive or not, is much appreciated.

As you finish each gift, wrap it up and place its proper address upon it. Much time will be saved in this way.

Do not throw away good pieces of tissue-paper or fancy wrapping-paper that you do not use. Fold them neatly and save for another year. Do the same with tags, stamps, or ribbon for tying.

Boxes that have a distance to go should be sent a week or two before Christmas. Label, "To be Opened on Christmas Day."

Above all, shop early, avoid the rush, and so be able to enjoy the day instead of being so overcome with weariness that you are no pleasure to yourself or your family or friends. Gifts presented or received are too dear at such a price.

On this page are advertisements of power washer, patents, household utensils, jacket and underwear.

ADVERTISEMENTS

*When you write to an advertiser tell him that you saw his card in The Farm Journal. It is to your interest to do so.*

**POWER WASHER**

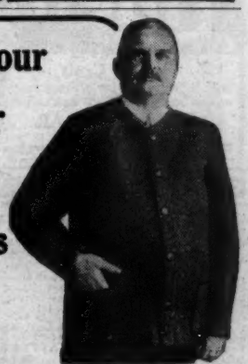
Swinging Wringer. Washes and wrings by engine or motor power. Can be used by hand. Also hand washers.

SOLD DIRECT AT FACTORY PRICES $7.45 AND UP

Sent on 14 days Free trial. NO MONEY DOWN. Write for Free Catalog today.

INTERLOCKING FENCE CO. Box 306 Morton, Illinois.

**Ask Your Dealer for Brown's Beach Jacket**



He'll show you one of the best protections from cold made. Has wind-proof exterior, specially prepared wool lining; made in three styles—vest, coat without collar and with collar. Look for me on the garment's label.

W. W. BROWN

Worcester Mass.

**PATENTS** Write for "How to Obtain a Patent," "List of Inventions Wanted." $1,000,000 in prizes offered for inventions. Send sketch for free opinion as to patentability. Our four books sent free. VICTOR J. EVANS & CO., 730 Ninth, Washington, D. C.

**Make Her Merry Christmas last all through the Year.**

by selecting your gifts from among UNIVERSAL Home Needs. Look for this Trade Mark on each piece you buy.

UNIVERSAL

**UNIVERSAL Coffee Urns**

Sold separately or in sets as shown.

$10.00 and upward

**UNIVERSAL Coffee Percolators**

Aluminum, copper, nickel and silver plated.

$2.75 and upward

**UNIVERSAL Bread Makers**

Mix and knead the bread in three minutes. Four sizes, $1.75 to $3.50

*On sale at all good stores. Write for Free Booklets.*

LANDERS, FRARY & CLARK,

663 Commercial St.

NEW BRITAIN, CONN

**VELLASTIC**

*Elastic Ribbed. Fleece-Lined*

**UNDERWEAR**

OUT of doors or indoors, VELLASTIC is the most comfortable, the most healthful winter underwear.

Its wonderful fleeced ribbed fabric is a scientific non-conductor of heat and cold.

And VELLASTIC is luxuriously comfortable. The velvety fleece is a luxury to the skin and the elastic ribbing of the fabric insures a glove-like fit and perfect freedom of movement.

**Men, Women and Children**

Look for the VELLASTIC label—Union Suits and Separate garments for Men, Women and Children 50c up. Bodyguard Booklet No. 15 Write for it.

UTICA KNITTING CO., 350 Broadway, New York

## HEART PROBLEMS

BY AUNT HARRIET

*[Aunt Harriet wishes to give advice, suggestions and sympathy to all Our Folks who are in doubt or in trouble, but her correspondents have become so numerous that it is impossible to answer all the letters in this column. To be sure of a reply, give full name and address and two-cent stamp, for only such answers as will benefit the largest number of people will be given here. Address, Aunt Harriet, care of The Farm Journal, Philadelphia, Pa.]*

At Yule-tide every snowflake white
Becomes a Christmas star of light;
And so may Christmas wishes go
From friend to friend like flakes of snow.

December, the last month in the year, was the tenth month in the Roman calendar, and receives its name from decem, ten. Our Saxon ancestors called it the midwinter month and Yule month, hence the custom of calling the Christmas season Yule-tide. There are numerous devices for decorating the table and the home for this happy season, but those which nature has provided are the most desirable. If one's home is near the woods, countless treasures may be found there; and if there is an abundance of such treasures, a box of them, sent to a city friend, will be most welcome. The sword fern, the pipsissewa, blue juniper berries, black dogberries, the red haws of the wild rose, gray white bayberries, orange bittersweet, ground-pine, laurel, cedar, hemlock, fir and holly, all may be used; and while this use of growing things at this time is of Pagan origin, it has so long been a part of the celebration of a Christian festival, we would not care to give it up.

For the centerpiece, a tiny tree hung with cranberries and joke packages done up in tin-foil will give pleasure, or a tiny landscape, made on a tray, using a bit of mirror for a lake, with trees, moss and pebbles realistically arranged, might be a novelty, while a prettily arranged dish or basket of fruit is always in good taste. Branches of evergreens, stuck over the pictures, mirrors or doorways are effective. Wreaths may hang almost anywhere, and the New England custom of hanging a bunch of holly or evergreens on the outside of the front door is particularly commended, as it gives the house a cheery look. Quite the loveliest Christmas tree that I ever saw had but one ornament, a large tinsel star, which hung on the topmost branch. Underneath the tree was a small garden, moss covered. To one side appeared a stable, with toy cattle and a manger in which lay a tiny doll, wrapped in swaddling clothes—the infant Saviour. Wooden dolls were dressed to represent Mary, Joseph, and the three kings, presenting their gifts. Of course, you will guess that the tinsel ornament represented the Star of the East. The simplicity was very appealing, and we have all seen decorations which were far from being so appropriate as these. In celebrating Christmas, remember that prosperity is not general, and that while some of our people are enjoying higher wages, many others are managing on the same or less than usual, with the added problem of inflated prices to cope with. If you would get into the true spirit of the season remember those less fortunate; you can always find them, and give to those who would otherwise be forgotten. May the season's joys be yours to the fullest extent, is my greeting to all friends, old and new.

Neglected Ann: You must not think that because you meet so few people from the outside world, that you may never be able to "hold your own" comfortably with them. The most essential thing is to feel at ease about your personal appearance. Even though your clothes must be inexpensive, they can always be neat, clean and well put on. The next thing to do is to procure a good book on etiquette (our Cream List of books will tell you what to get), then study it as you would a textbook. There may be much in it that would never interest you, but familiarity with what it teaches will be of use in your personal conduct and enable you to understand the conduct of others. Last of all, try in an unobtrusive way to get away from the "free and easy" way of living

On this page are advertisements of ceiling ventilators, collars, lamp, schools, appliances, patents, agents, sanitary closets and phonograph.

*ADVERTISEMENTS*

*When you write to an advertiser tell him that you saw his card in The Farm Journal. It is to your interest to do so.*


**Warm Upstairs' Rooms**

Be comfortable this winter at no extra fuel cost. The **first** expense is the **last. Independent Adjustable Ceiling Ventilators** utilize surplus heat. Easy to install. Fit all ordinary ceilings. Over a **quarter million** homes use them. In stock at leading hardware dealers. Prices from $2.20 up. Booklet and information **free.** Write for yours to-day. **Independent Register & Mfg. Co., Cleveland, Ohio.**

**$40 A WEEK, SURE**

**AGENT'S SAMPLE FREE**

200 candle power outdoor Lamp and Safety Lantern. Storm and Weather Proof. For house, barn, camp, anywhere. No smoke. No odor. Absolutely safe. Burns Kerosene. Guaranteed. Burns 95% air, only 5% fuel. Price low. Sells fast. 100% profit. Year round sales plan. Save your territory now. Write quick for free sample offer.
**Foote Mfg. Co., Box 1500, DAYTON, OHIO.**

**"Linene" COLLARS**

Send 2 Cents
in U. S. Stamps to pay postage and we will send you FREE a starch-finished
**SAMPLE COLLAR**
Size and latest style wanted.
REVERSIBLE COLLAR CO., Dept. D, Boston, Mass.

**GOV'T POSITIONS** NEW BOOK **FREE!**

Earn $75 to $150 monthly AT ONCE. Rapid promotion. Easy work. Short hours. 15 and 30 day vacations, full pay. Lifetime positions. No strikes, no "lay-offs," no "straw-bosses," no pull needed. Ordinary education sufficient. American citizen. **NEW BOOK FREE** sent 18 or over eligible no matter where you live. Tells about Railway Mail, Post Office, Panama Canal, Custom House and many other Gov't positions. Tells how to prepare for Examinations under supervision of former U. S. Civil Service Examiner. Write today—postal will do. Address **PATTERSON CIVIL SERVICE SCHOOL, 2812 Home Bldg., Rochester, N. Y.**

WRITE TODAY

**LIGHT YOUR HOME LIKE DAY—COST 1c**

for 6 hours. Pure white 100 candle power light from common Kerosene.

**The Beacon Lamp Makes and Burns Its Own Gas**

Better, brighter, safer, cheaper, than Gas, Gasoline or Electricity. Every home interested. 500,000 satisfied users. Agents wanted. Write quick for selling plan, exclusive free territory and trial offer.
**HOME SUPPLY CO., 96 Home Bldg., Kansas City, Mo.**

**"DON'T SHOUT"**

"I hear you. I can hear now as well as anybody. 'How?' With THE MORLEY PHONE. I've a pair in my ears now, but they are invisible. I would not know I had them in, myself, only that I hear all right.

"The **Morley Phone** for the **DEAF** is to the ears what glasses are to the eyes. Invisible, comfortable, weightless and harmless. Anyone can adjust it." Over one hundred thousand sold.

Write for booklet and testimonials.
**THE MORLEY CO., Dept. 793, Perry Bldg., Phila.**

**WANTED-IDEAS**

Manufacturers want **OWEN** patents. Send for 3 free books; inventions wanted, etc. I get patent or no fee. Manufacturing facilities.
**Richard B. Owen, 62 Owen Bldg., Washington, D. C.**

**$60 A WEEK** AND THIS AUTOMOBILE

Every Agent Can Get an Auto NO CONTEST

You can make $60 a week and get an Auto. I want hustlers, money-makers, to work with me, to advertise, sell and appoint agents. Biggest thing in years. City conveniences without plumbing. Used in any room. Sells on sight. Demonstrating tub furnished. Folds small, self-emptying, non-leakable. Guaranteed 10 years.

FOLDED

**AGENTS MAKE SALES EASILY**

Two sales daily means $60.00 a week. Leggett, Ohio, "Worked two hours, took two orders, profit $10.00." Hayhurst, Neb., "Took 11 orders in 4½ days—profit $56.00, ordered 12 more tubs." Manning, Iowa, "Sold 10 tubs in one day—profit $50.00." De Hut, Nebr., "Sold 12 tubs in three days—profit $60.00." And hundreds of others making big money. 70 per cent of all homes have no bath tubs. Experience and capital unnecessary. Credit given to the right man. Get full particulars and "special plan" all FREE.
**H. S. Robinson, Pres., THE ROBINSON CABINET MFG. CO. 4477 Factories Building TOLEDO, OHIO**

**Comfort Indoor Closet**

**Odorless Sanitary Germ-Proof**

Every home without sewerage needs one. Most convenient, meritorious home necessity in a century. A boon to sick people. Can be placed anywhere in house.

**Abolish Outdoor Closet**

Put a warm Comfort Toilet in your home, a guarantee of healthy, sanitary conditions. Germ-life killed by chemicals in retort. Emptied once a month—no trouble. Needs no other attention. Boards of Health endorse it. Write now for literature, prices, etc. Agents Wanted—Exclusive territory.
**COMFORT CHEMICAL CLOSET CO., 5612 Factories Bldg. TOLEDO, OHIO**

SENT ON 30 DAYS **FREE Trial**

*For a Merry Christmas— And a Happy New Year!*

There is nothing that will give greater delight than this *new* phonograph that plays *all* makes of disc records, with a mellow, magic tone that you will love.

**Let Us Send You the Illustrated Booklet**

that describes the novel features of the Manophone such as the *Music Hall*, the *Tone Control*, the *Silent Motor*, the *Bookcase Door*, the *Guarantee*, etc., and pictures the distinctive Manophone designs priced from $15.00 up. We will also tell you where you can hear the Manophone play, *your way*. This Booklet will help solve your Christmas problems.

**James Manail Co., Inc., Dept. P-12, Newburgh, N.Y.**
New York Display Rooms: 60 Broadway

**Dealers: Write or wire for confidential agency details.**

**FREE** $20 OLD MASTERS VIOLIN — **$20 Solo Guitar FREE**

FINE TONE

Musicians Make Big Money

We have a wonderful new system of teaching note music by mail, and to first pupils in new localities will give a $20.00 superb, **Violin, Mandolin, Ukulele, Guitar** or **Cornet**, absolutely free, very small charge for lessons the only expense. We guarantee to make you a Player or no charge. Complete outfit free. Special offer to first pupil in each locality. Write at once, no obligation.
**SLINGERLAND'S SCHOOL OF MUSIC, (INC.) DEPT. 2, CHICAGO, ILL.**

in your home life. To be sure, home is a place of privileges and freedom; but when the niceties of life are overlooked and freedom becomes carelessness, it is time to call a halt. You may not be able to change the habits of your family, but you can certainly change your own.

Senior: At a formal dinner the toastmaster is appointed to introduce the speakers, and follows up each speech with some little pleasantry. The subjects are allotted beforehand, and the person called upon is ready to respond at once. If, as you suppose, the guests will be called upon for toasts without prearrangement, you might find one of the following appropriate:

Here's a toast to all who are here,
No matter where you're from;
May the best day you have seen
Be worse than your worst to come.

May this be our maxim where'er we are twirled,—
A fig for the cares of this whirl-a-gig world!

Mary Ann: Try some new way to distribute the gifts this year. Paper and ribbon have gone up in price, so if there is no supply on hand, do without and take suggestion from the old game, "hide in sight," placing the family gifts where they would supposedly go and allowing the right person to find them. For instance, mother's embroidered centerpiece might be placed on the table, and a pair of warm gloves for father are slipped into his overcoat pocket. If the gifts are small, they might be served in a pop-corn pie, filling a dish with popped corn and burying the articles in it. A string with a card and name is tied to each article, and at a signal each one pulls his string. Remember far-away friends with a nice newsy letter, on which you may paste a Christmas seal to give it the proper look. If it is within your means, choose at least one deserving family and try to provide them with Christmas cheer. If a family is too much for you to attempt, single out some lone individual for your effort. Remember those who minister to our wants at Christmas time, and shop and send your gifts early. To get the real Christmas spirit try not to add a straw to the burden of those who must work overtime that we may enjoy the day.

Mother: It is well that you realize that you and your husband have been indifferent to set forms and the usages of polite society, and you are to be commended for your desire to have the children enjoy the advantages which were denied to you. The training should begin early. The boy who can not remember when he began taking off his hat on entering the house or when meeting a lady, has an advantage over the one who must acquire that habit during the self-conscious age. Children can be taught at a very early age not to interrupt; it is not easy, but it can be done. They should be served at table in turns, never before the grown persons, and never allowed to play with or waste their food. They should never be permitted to serve themselves, nor to reach across the table, nor loll with elbows on the table, nor criticize the food. They should be taught to come promptly when summoned to the table, and never to leave it without permission. Moodiness in the morning should not be allowed; it becomes an unpleasant habit hard to grow out of. A cheery "good-morning" from each member of the family to the others should be strictly enforced, the example to be set by the parents. The boys should stand by their chairs until mother and sisters are seated, father, of course, setting the example. One is not supposed to talk while the mouth is full of food, nor is the glass or cup to be tilted over the nose and drained (sometimes noisily) to the dregs. It is troublesome, yes, to train yourself and the children into unfamiliar ways, but it happens that these are the accepted ways, and only those who have seen the embarrassment of the untrained when thrown amongst those who are trained, can realize what it means to have one's habits properly formed when young.

On this page are advertisements of peanut butter, pianos and phonographs.

ADVERTISEMENTS

*When you write to an advertiser tell him that you saw his card in The Farm Journal. It is to your interest to do so.*

ASK YOUR DEALER

MOTHERS AND FATHERS

*Glass of Full Cream Milk*

*Sandwich of Beech-Nut Peanut Butter*

Each Will Feed Your Child the Same Amount of Strength, Heat and Energy

BEECH-NUT PEANUT BUTTER

BEECH-NUT PACKING CO.
CANAJOHARIE, NEW YORK

*Love!* *Music!*

**Write for this Good Book**

THE two greatest things in the world are *love* and good *music* in the home. Have both. Let us send you this new book—and others—to help you judge values in pianos and know all that "Quality First" means when selecting your lifetime treasure.

**Hobart M. Cable**
**Pianos and Player-Pianos**

Over 50,000 enthusiastic owners of these beautiful, wonderful tone instruments would invite you to surely investigate—to be sure not to purchase any piano or player-piano until you write us first.

**Right Prices and Terms**

You can have any style Hobart M. Cable piano or player-piano delivered and placed right in your home at once and judge for yourself before paying. Terms to please you. Price the same to all. Write today.

**The Hobart M. Cable Company**
Factory, LaPorte, Ind., U. S. A. 220 Cable Street

***FREE Coupon Reminder***

Please be sure to send your name and address today for all our latest Books on Music, 1917 Catalog, Prices, etc. *SENT FREE.*

**Mr. Edison's Wonderful New Phonograph**

*Real, life-like music at last, thanks to Thos. A. Edison.*

*Read our offer.*

**Only $1.00 and after trial!**

YES, the New Edison—Mr. Edison's great new phonograph with the Diamond Stylus reproducer and your choice of all the brand new Diamond Amberol Records on **free trial without a penny down.** Now, on this offer, you can have the **finest, the best** that money can buy at a price very much less than that at which imitations of the genuine Edison are offered. Seize this opportunity. Send the coupon now.

**Rock-Bottom Offer Direct** Let us send the New Edison to your home on free trial. Entertain your family and friends with your favorite records—everything from Grand Opera to the latest city song hits, Comic Vaudeville and roaring Minstrel Shows—then if you choose send the outfit back to us at our expense. But if you wish to keep Mr. Edison's superb new instrument, send us only $1.00 after the free trial. Pay the balance on the easiest kind of monthly payments. Don't miss this wonderfully liberal offer.

**Catalog FREE**

Get our New Edison catalog. Your name and address on a post card or letter (or just this coupon) is enough. No obligations in asking for the catalog. Find out about this offer—while this offer lasts.

**F. K. BABSON, Edison Phonograph Dist.**
**3519 Edison Block Chicago, Illinois**
Canadian Office: 355 Portage Ave., Winnipeg, Man.

To F. K. BABSON, Edison Phonograph Dist.
3519 Edison Block .. Chicago, Illinois

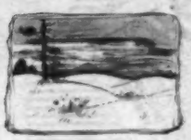
*Gentlemen:*—Please send me your New Edison Catalog and full particulars of your free trial offer on the new model Edison Phonograph.

Name.....

Address.....

## FARM GIRLS OF AMERICA

*A Club for Farm Girls*



Winter's coming! All the sky now is misty gray;
But I love the north-east blast
Of the frozen day!
Winter's coming! Far-off hills
Now are tents of storm;
Yet I love the world shut in by the hearth-fire warm!

Our girls are finding out that it is fun to do something useful they have never done before. Ida Curtis says: "I am more interested in housework than I was before I began to earn seals." Laura Gemberling has found that "labor is the sweetest joy." She is properly proud of her canning accomplishments, and has sent some of her preserves and jams to an orphans' home. She gathered the fruit for the five required varieties of jelly (gold seal), and enjoyed it very much.

"Keep your temper and don't say a cross word for two weeks." This gold seal task is one of the hardest, the girls say, but "labor conquers all things," says Sylvia Lauver, "even the naughty tongue and the quick temper." One of our girls kept her temper for four weeks. After all, speaking crossly is simply a bad habit, and if you control yourself for one week the second week is easier and the third easier still, and so on. Just keep trying.

Every seal represents achievement. If it is for a daily task done over and over again, you have achieved patience, perseverance and perfection. If it is for a difficult task once performed, it represents endeavor. If it is for doing something for some one else, it has helped you to attain love, sisterliness and Christian character. Every seal has a story all its own. It wouldn't be a bad idea to write on the back of your certificate what each seal represents.

Several new Graduate Members are added to our list: Caroline Combs, Myrtle Deming and Joy Alderman being the latest to complete their course in home happifying. This completes our fourth set of seven, and will be formed into a letter circle as the others have been. Any Graduate Member may earn a gold F. G. A. pin by winning fifty additional seals.

### EXTRACTS FROM LETTERS

If you have a basin of hot water at hand to wet your broom when you sweep, it will not stir up so much dust.

OLIVE BURDETT.

I like to do the dishes, especially when mother is feeling badly. I think it is better to do them without any fussing, grumbling or growling. Being pleasant helps mother. GWENDOLYN CABLE.

If you don't know how to do a thing,
Never stop to sigh or cry;
If you've never tried your luck before,
Don't say, "I can't," but say, "I'll try!"

RUTH WATSON (age thirteen).

A girl should seek education for the mental training she receives. She will forget some of what she has learned, but the fact that she has applied herself is worth more than what she has acquired.

ARAX.

Some of the tasks (not given in the manual) for which we have given seals lately, were as follows: Dried twenty-five quarts of corn. Dried a lot of apples. Mowed seventy-five tons of hay. Made a hand-bag of tatting and crocheting. Made two and a third yards of tatting for pillow-cases. Packed thirty pounds of butter for the winter. Found and identified 140 kinds of wild flowers. Helped clear a field of stumps and roots. Took care of a child one and a half years old, two hours each evening for two weeks. Painted the woodwork of three rooms. Embroidered white voile waist. [Our girls certainly are versatile!]

Every housekeeper should be well versed in keeping accounts. In this she does not often obtain the right training. I think that every girl after she gets to a certain age should receive a weekly allowance, and with it plan to buy her own accessories. This plan is better, I think, than running to father's pocketbook whenever she wants something, thus acquiring the habit of being a spendthrift, or always being without a little spending money.

ALBERTA SCHLAGBAUM.

### OUR DECEMBER CONTEST

You all like to make candy, don't you? Well, make the very nicest batch of candy you ever made, then carefully write out the directions for making it, and send the directions and a sample of the candy to Aunt Clara, Hawley, Minn., before Christmas, and she will send the gold F. G. A. pin to the girl whose sample and directions are the best. A gold seal will be given to each one of the others sending candy and recipe and an O. K'd statement that she made the candy herself and gave away the rest of it.

Don't forget this month that any member can get a red seal for making and giving away six Christmas presents.

### COOKING POTATOES

One of our girls has written that she does not know how to cook potatoes in six different ways, so we will try to help her and others to earn this seal. Speaking strictly, it would mean boiling, baking, steaming, frying in deep fat, frying in a little fat and scalloping. Speaking broadly, it would include ways of warming over cold boiled potatoes, or preparing them for the table. The average time for cooking is here given after each recipe:

Baked potatoes: Scrub medium-sized potatoes very clean and bake them in their jackets. Serve hot with butter or butter gravy. One hour.

Mashed potatoes: Pare and boil until tender. Drain, mash and season with salt, pepper and sweet cream. One-half hour.

Scalloped potatoes: Pare and slice thin, put into a baking dish with salt and pepper to taste, cover with sweet milk, add dabs of butter on top and bake. One and a quarter hours.

Saratoga chips: Pare, slice very thin, drain on a cloth, drop into deep fat that is very hot and fry until brown. Take out with a skimmer, drain well, then sprinkle with salt. Serve hot or cold. Fifteen minutes.

French fried potatoes: Pare and slice lengthwise, fry in deep lard, the same as Saratoga chips. Season with salt and pepper. Twenty minutes.

Creamed potatoes: Make a rich milk gravy, and into this stir cold boiled potatoes cut into small cubes. Season to taste and cover until thoroughly hot. Ten minutes.

Hash: Put left-over meat through the grinder, with a small onion, and mix with as much cold mashed potatoes as meat; heat in a covered skillet with a little water. Add plenty of pepper and serve hot. Ten minutes.

Potato soup: Boil three potatoes in plenty of water. Drain off the water, mash potatoes, add the water they were boiled in and a cup of thin sweet cream; salt, pepper and butter to taste. Serve with crackers. Fifteen minutes.

If bread is the staff of life, then surely "spuds" are its crutches. No meal is quite complete without them, unless it is breakfast, and most of us like them for breakfast, too. To be a good cook one must be able to make good bread, and cook meat and potatoes so that they are palatable.

### CHRISTMAS RECIPE

Make somebody happy to-day! Each morning that motto repeat, and life, that was gloomy and gray, at once becomes pleasant and sweet. No odds what direction you go, whatever the pathway you wend, there's somebody weary of woe, there's somebody sick for a friend; there's somebody needing a guide, some pilgrim who's wandered astray; oh, don't let your help be denied—make somebody happy to-day! There's somebody tired of the strife, the wearisome struggle for bread, borne down by the burden of life, and envying those who are dead; a little encouragement now may drive his dark visions away, and smooth out a seam from his brow—make somebody happy to-day! There's somebody sick over there, where sunlight is shut from the room; there's somebody deep in despair, beholding no light in the gloom; there's somebody needing your aid, your solace, wherever you stray; then let not your help be delayed—make somebody happy to-day. Make somebody happy to-day, some comfort and sympathy give, and Christmas shall ne'er go away, but always and ever shall live. WALT MASON.

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$150.00—4th Prize
$100.00—5th Prize
$75.00—6th Prize
$50.00—7th Prize
Next 2 Prizes, $25.00 Each
Next, $20.00; Next, $15.00
Next 10 Prizes, $10.00 Each
Next 20 Prizes, $5.00 Each
Next 50 Prizes, $2.50 Each
Next 465 Prizes, $1.00 Each

Full prizes paid final tying contestants.

## Now Get the Complete Outfit and Win!

You have until January 31 to *order* Picture-Name Game OUTFITS. All 24 pictures are given with each OUTFIT.

*and*

You have until February 15 to mail back your set of answers. Don't submit any answers at all until January 31.

## Plenty of Time to Play and Gain a Great Prize!

No. 21

No. 22

## Final List of 200 Names

**Get an OUTFIT, and you'll have all these 1,200 Names *alphabetically* arranged. Titles for pictures must be selected from these 1,200 names.**

PEACE ON EARTH
AT THE WINDOW
THE HARVEST MOON
ONE BONG MORE
A WATERY WASTE
BY THE MOON'S PALE LIGHT
A GLIMMER OF LIGHT
IN THE SPRAY
THE SINGER
REARED AT THE FLOW
HANDLES
HUMAN FISHES
THE MOON AND THE LAKE
A LOVE SONG
A FARMER'S HOME
END OF THE HUNT
ABOVE THE SNOW LINE
INTO THE LAKE
A PERILOUS POSITION
THE TRYST
THE SUNBONNET
WE'LL WHISPER OF LOVE
I'LL RACE YOU!
MAN AGAINST BEAST
ONE TOUCH OF NATURE
SINGING TO THEE
COURTING DEATH
AN ACCIDENT
AWAY FROM THE CITY
FAR UP
PIE OR DIE!
SING MY SOUL AWAY
ETERNITY
FATTENING THEM UP
A MOONLIGHT NIGHT
HAY CULTURE
THE GOLDEN GIRDLE
PLEASANT PLACES
ON STRIKE
SLEEPY TIME
HEAD FIRST
WHERE'S THE CONSTABLE?
HEART TO HEART
GOOD EXERCISE
CAN'T LIVE WITHOUT YOU
EXCEEDING THE SPEED
LIMIT
ON THE FRONT PORCH
SLIDE!
REFLECTED LIGHT
AFFAIRS OF MEN
A CRY
THE MOUNTAIN CLIMBER
A PLEDGE
MAN THE DESTROYER
A REFLECTION
DAIRY WISDOM
CASH PAYMENT
HERE HE COMES!
THE NATIONAL GAME
FEEDING EXPERIMENTS
FACTS
ALL YEAR
INTO THE WATER
THE SONG IN THE NIGHT
TWO MEN IN THE WATER
WHITE WINGS
AMONG THE WORKERS
HIS MIDNIGHT TEST
PLUNGING IN
A FLEET CAREER
ON THE HOOK
GOOD HABITS FOR BAD
THE POULTRY YARD
THE BATH
FEMININE HIDING FRILLS
FALLING TO PIECES
AT BAY
THE FIELD OF HONOR
IT GOT AWAY
I LOVE YOU
THE RIVER
WHO HATH DESIRED THE
SEA?
UNDER THE FIR TREES
ON THEIR VACATIONS
A GOOD LETTER
PRAISE
BEATING BACK
DANCING WAVELETS
THE HOARD
ON THE ROAD
FAMILY HEALTH
OUT FOR A SPIN
VOCAL EXERCISE
CHANGING COLOR
NATURE'S CONQUEROR
THE MEETING
A SOURCE OF PROFIT
SAFETY FIRST
BE CAREFUL!
SPORT
THEIR SLEEVES ROLLED UP
SWEET HARMONY
GOOD NEWS FOR FARMERS
'MID THE CANNON'S ROAR
SWEET MAIDENHOOD
JUST SITTING THERE
IMPROVE YOUR MANNER
DAVY JONES'S LOCKER
THE CHASE
IN A BALCONY
NATURE'S TREASURE HOUSE
BEFORE THE WIND
THE DESCENT
FISHING FOR TROUT
A FLANK MOVEMENT
NEXT TO NATURE
PRAYER
DESPERATION LENDS
COURAGE
FOOD VALUES
LAND AND WATER
INFORMATION TO OUR
READERS
NIGHT
CHILDHOOD FUN
FORBEAR
PREPARED TO STRIKE
THE SPORTSWOMAN
WHO WILL WIN?
THE OUTLOOK
A SAILOR'S LIFE
IN HASTE
FOREVER
GRASS FED
THE PRICE OF LIBERTY
THE DIM OUTLINE
COME RIDE WITH ME
FOR KING AND COUNTRY
BENEATH THE EARTH
PRICES CHOPPED
SAVE THE BABIES
WILL HE BE HURT?
DINNER TIME
HOME DUTIES
IN NEED OF NAILS
DISTURBING THE FISH
COME TO ME
LIFE ASKS ITS PRICE
FOR THE BRIDE
A NIGHT SCENE
OVER THE WAVES
FOR THE HORSES
THE NINE
MILKING TIME
INTENSE INTEREST
DOING THINGS ON THE FARM
BE THANKFUL
PUBLICITY
SEEDS GROW
WINROWS
THE FORTUNE HUNTER
THE STAG
TIME SAVED
MONEY IN ADVANCE
NO LONGER YOUNG
BETWEEN EAST AND WEST
FRAMED
FAR AFIELD
THE PACER
STRANGE ADVENTURES
TOO FAST
A HOME FOR FISH
FREE FOR TESTING
SERVICE
WITHIN THE REACH OF
EVERYONE
BIG GAME
IN THE BOAT
PUNISHMENTS
WITH RIFLE AND BAYONET
A LITTLE FUN
FREE ROAD TEST
BREAKING A RECORD
DON'T SHOOT
COMING AND GOING
NO RENT TO PAY
WITH THE TIDE
SHEARING TIME
FREE TRIAL
A COMPANION
THE RACER
TO THE LEFT
A SHINING LIGHT
THE CONCERT STAGE
A WOODLAND OUTING
PARCEL POST MARKETING
STRIKING OUT
THE HOME TEAM
NOWHERE TO GO BUT DOWN
DO YOU NEED MONEY?
FRESH AIR
THE CONFIDENCE OF
FRIENDS
FAR FROM MEN'S HAUNTS
MONEY REFUNDED
IN THE MUSIC ROOM

No. 23

No. 24

## Complete Game Now Ready

At last we can offer the complete Picture-Name Game to our readers!

To the left the last of the 24 pictures are printed, and also the last 200 titles, making 1,200 in all, so we are through with those.

And here is our offer to all:

### OUR OFFER

The complete $3,000 Picture-Name Game OUTFIT, consisting of all 24 pictures, the list of 1,200 titles alphabetically arranged, from which you choose those to fit the pictures, and the Reply Book in which you may write and submit the names you choose,

with

THE FARM JOURNAL
for 4 whole years

ALL FOR

**$1.00**

SPECIAL PRICE!

## Start Today!

What are you doing with your idle evenings? Want to have fun, of course; want to amuse yourself, and have a good laugh and a quiet smile now and then—all right. PLAY THIS GAME AND YOU'LL FIND FASCINATING AMUSEMENT AND PERHAPS A GREAT CASH SUM TO REWARD YOU! That's hard common sense—*make your play pay!*

## Lots of Time to Play

Of course you have more time than you should need to take up the Game now and then in idle moments, amuse yourself with it, finally make up your list of answers, and send them in. You need not mail them at your home post office until February 15—sets postmarked that date will be accepted, even though we receive them after. Don't mail in your answers at all until *after* January 31. No more OUTFITS will be sold after January 31, either—your order must bear a postmark of January 31 or before.

## Hurry!

Don't lose time—SEND IN YOUR ORDER FOR AN OUTFIT TODAY, and find how interesting the Game is. Upon request free information about how to compete free is sent—but hurry in your order for an outfit, and be completely equipped to play most conveniently at once!

## How To Play

Below we show portion of a page from the Alphabetical List of all 1,200 Titles, and portion of a Reply Book page. Suppose one of the pictures showed a dilapidated farm house, with shutters hanging loose, roof caving in, chimney down, porch falling to pieces, etc. You would soon find, in the Alphabetical List, the name "Out of Repair," and write it down in the Reply Book, exactly as we show here. That's the way to play the Game. Simple—but lots of fun for every member of the family!

Out in the Open
Outlook, The
Out of Repair
Outward Bound
Over the Bar
Over the Stile

Picture No. X
1. Out of Repair.
2.
3.

## Now Order

In the January issue we will tell you about the distinguished Committee of Judges who will supervise the Game, and give you other important news. Be sure you keep at home an exact copy of the names you submit, just as you submit them, with the checking sheet clipped from your List of Titles and Reply Book. Send in your order, first of all, and do it NOW!

### Send My Outfit By Return Mail

**Picture Game Editor, The Farm Journal, Philadelphia, Pa.**

For the enclosed $1, send me the complete Picture-Name Game OUTFIT and all 24 pictures, with The Farm Journal for 4 years.

*Name*.....

*R. F. D.*.....*or Street*.....

*City*.....*State*.....

Please state whether this subscription is new?.....Renewal?.....Extension?.....

## THE WIDEAWAKES

*A Brotherhood of Farm Boys*

**Motto: Plow a Straight Furrow**

CHAS. P. SHOFFNER — Brotherhood Chieftain
A. SIDNEY JENKINS — Brotherhood Steward

ORGANIZED December, 1915, to develop community spirit, encourage healthful play and keep the boys on the farm. Age for Active Members, six to twenty-one. Honorary Members, any man over twenty-one. Every farmer who has a boy or loves boys should become an Honorary Member. Every boy should join. Copy the pledge, write name and address, send it to us, and your name will be enrolled and the button and folder sent you free. There are no dues, no fines, no assessments. We want a Brotherhood of 100,000. Note: If two-color Certificate of Membership is desired, enclose ten cents.

*Pledge: I desire to become a member of The Wideawakes, and promise to play fair, to lend a helping hand, to believe in farming, and to have a brotherly love for farm boys everywhere.*

### MONTHLY POWWOW

BROTHER WIDEAWAKES: Here we are, one year old, and on this anniversary it is well to size up the results of our work. First, we have brought into our bond of brotherhood 13,080 farm boys, scattered from Maine to California and from Canada to the Gulf of Mexico. Second, we have formed 210 Clans, which meet for play and mutual benefit. Third, we are appealing to each boy's head, hand and heart. Fourth, we are advocating community playgrounds everywhere. Fifth, our boys show their interest by their letters, and they see more fully the possibilities of farm life. Sixth, farmers and students of economics have approved and given the right hand of fellowship to this movement.

There, brothers, what do you think of all this? Perhaps our Brotherhood hasn't proved to be the Eighth Wonder, but at least it has done some good work, and the reward for doing good work is the ability to do more and better work. So let's make 1917 a real Wideawake year. Let's double our membership, first of all, and organize a Clan in every district, talk up a community playground and Club house, develop brotherly spirit and plow a straight furrow. Are you with us? Good! —forward march! A Merry Christmas to all! CHAS. P. SHOFFNER.

Address, The Wideawakes, Brotherhood Council, THE FARM JOURNAL, Phila., Pa.

#### HARE AND HOUNDS

One or two boys are chosen for hares; the rest are hounds and huntsmen. There are two huntsmen; one is the real huntsman and the other is called the whipper-in. The hares are each furnished with a large bag of white paper cut in small squares, which they scatter to form a trail. The hares are not allowed to cross their tracks or return home until a certain time. The hounds have to follow the trail of paper, and they can not take short cuts.

The hares are given seven minutes' start, then the huntsman blows his whistle and all start off, the huntsman coming first, the hounds in Indian file, and the whipper-in bringing up the rear. The huntsman carries a white flag and the whipper-in a red one. The flags can be made by tying a white and a red cloth to sticks.

If the scent or trail is lost the whipper-in sticks his flag in the ground at that place and starts to hunt for the scent. The huntsman sticks his flag in the ground and examines the ground for the trail. When it is found the player that finds it shouts "Tally-ho"—on which the huntsman sees whether it is the trail or not, and if it is he blows his whistle. All form a line between the two flags and start off again. If the hares get to a certain goal before the hounds catch them, they win.

*Nebraska.* CLYDE BUMP.

#### CLAN COMRADESHIP

Florence Station Clan No. 22 has very interesting meetings. At our March meeting we worked on bird-houses, had a race, played double tag and other games, and closed our meetings with the Wideawake yell.

*Illinois.* VERNON SCHRADERMEIR.

Rocky Cliff Clan No. 131 held its summer meetings at "Rocky Cliff," our summer camp. We had a fine meeting on July 4th. We think the signals are good. Why not have a secret alphabet? Our Clan is composed of willing and good workers.

*Indiana.* FORREST MCKAMEY.

#### HINTS TO WIDEAWAKES

A little gift given in the spirit of love is better than a big present grudgingly sent.

If you have no present to give, give a little of your time. Some folks near you would greatly appreciate it if you would stop in on Christmas morn and wish them a cheery "Merry Christmas to all!"

Why not make father a set of bookshelves for his room, as a Christmas gift? A few pieces of nice cherry wood sawed into seven-eighths boards, planed and sandpapered nicely and made up the very best you can—why, he would prize it as long as he lived! If you haven't cherry, pine will do. You can get some stain and finish it like cherry and it will look very well indeed.

#### HOLDING YOUR BUTTON SECURE

All pin buttons are liable to be lost, and here is an easy way to make them secure: Cut or file off pin at line marked A, and sharpen. Make notch on inside rim at B. Put pin through coat or dress, turn pin and press into notch (1), then turn the button until pin is away from notch and the button is secure (2). This applies to both The Liberty Bell Bird Club and The Wideawakes buttons.

#### CHRISTMAS GREENS

Pick out your Christmas tree early in December and reserve it for its great purpose. Frequently visit it, and when the time comes for cutting make it a real ceremony. Have your brother Wideawakes help, and see that it is brought home in state. The kind of tree depends upon where you live. Red cedar, white


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Selling my "STEELS" to farmers, laborers, miners, etc. Cost less—wear 3 to 6 times longer. No more Doctor Bills. No more big Shoe Bills. Booklets, etc. FREE. H. M. RUTSTEIN, Dept. D, Racine, Wis.

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The new patented National Aluminum Shoes stop all pinching, distorting or rubbing of foot. GUARANTEED to protect your health and save money by outwearing several pairs of kind you now use. Water-proof, rust-proof, break-proof, light, comfortable, fit fine, easy to walk in. Keep your feet warm and dry. Easy to clean. Snow or mud does not ball up and stick to sole. Cushion felt insole. Best pliable leather uppers. Sizes 1 to 13. 6 to 16 in. high. Wear them anywhere, anytime. Special Transmission Rubber Taps outwear any other kind—easy to renew if they ever wear out. FIT AND SATISFACTION GUARANTEED or MONEY BACK. Postal brings OUR FREE catalog.
FREE try on in your own home
National Aluminum Shoe Co. Dept. 24, Racine, Wis.

**Start Your FORD From the Seat**

Start your Ford from the seat every time, in the coldest weather, when others fail, with a SANDBO Two-Compression Starter
Differs from all others; gives crank complete revolution—over two compressions, past two ignition points. Guaranteed to start no matter how cold. Improved positive release in case of backfire. Price, $14.00. Write
$14
Agents, Dealers Wanted
SANDBO STARTER CO., 25 Sandbo Bldg., Rock Island, Ill.

**Cut Your Own Hair**
You can now cut your own hair when and how you please, and as good as a barber can do it without the barber's bill if you use an
AMERICAN SAFETY HAIR CUTTER
(McDonough's Patent)

This automatic machine is not a clipper. Works like combing your hair, enabling you to cut your own hair quickly and cheaply. Is sanitary. The money you save on six 25c hair cuts pays for the machine. Future hair cuts cost only two cents each. The only attention required is occasional renewal of blades. Outfit complete with six blades $2.00—postpaid. If your dealer cannot supply you, send the money today or write for information. Makes an ideal Christmas gift. Dealers and salesmen write for terms.
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We teach you to handle any auto proposition. Students actually build cars from start to finish, getting factory training in assembling, block-testing, road-testing, everything. Special complete course in Oxy-Acetylene brazing, welding and cutting, separate from regular course. All leading types of starting, lighting and ignition systems in operation. Six-cylinder Lozier, eight-cylinder King used for road instruction. We have Chalmers "6-30" chassis with 3400 r. p. m. motor, a 1917 Detroiter-6 and Overland; Delco System, used in Buick, Hudson, Packard Twin-6, 1917-Willys-Knight complete chassis.
**DETROIT IS PLACE TO LEARN—START ANY TIME**
44 auto factories in Detroit and 140 parts factories. We operate Westinghouse, Autolite, Bijur Service Stations. Students get actual experience in handling all kinds of electrical auto equipment. Just installed a Sprague Electric Dynamometer for block-testing purposes for students' use. School open all the year. Graduate in 10 to 12 weeks. Enter classes any time, any day. Three classes daily: morning, afternoon, evening.
**Factory Co-operation**
We have arrangements with the Auto factories to put them in touch with men who intend going into business for themselves.
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DETROIT
THE HEART OF THE AUTO INDUSTRY

pine, spruce, fir or hemlock can be used. We have found a way to keep the tree fresh and bright. We place it in a deep bucket or barrel, and then securely brace it or fill it all around with coal. The bucket or barrel is then kept filled with water.

Gather holly, make ropes of laurel and have a bowl of partridgeberries. Mistletoe can be found on the top of sweet gums, live oaks and other deciduous trees in the territory south of New Jersey, Southern Indiana and Missouri. It is also found in Oregon and Northern California.

There are two evergreen ferns that make fine decorations, the Christmas fern and the polypody. Ilex, or inkberry, and black alder, can also be used to advantage. Make your home bright and cheery with these greens. In gathering greens, never destroy; cut and pick carefully and the growth will be no poorer.

### WINTER GAME CONTEST

Quite a number of games were sent in, but many Wideawakes described the same one. Wideawake pennants were awarded to Wm. D. Rowe, Chieftain Fawn Creek Clan, Minnesota; Harry W. Rodemer and George Roney, Pennsylvania, and George F. Rhodes, Kansas. Many thanks to all.

### NEW YEAR'S SIGNAL FIRE

What a great thing it would be if our Wideawakes on New Year's eve, at exactly nine o'clock (eastern time), should flash by signal fire The Wideawakes' New Year greeting from brother to brother, through state to state, over the entire country!

A bonfire, if carefully built in a place where there is no danger of the fire spreading or destroying anything, is lots of fun and also beautiful. In the center of a plowed field is always an excellent location. Pile up old boxes, barrels, refuse, sticks, logs, etc. Have a general cleaning up of everything that is no longer wanted and that will burn. Make a big pile, the bigger the better. Use very fine inflammable material at the base, so it can be easily lighted. Get all the Wideawakes in your community interested. If desired, an entire Clan can join and have a community bonfire.

What do you think of the idea? Now, Wideawakes, remember this—fire is a good servant but a bad master. Watch it closely, see that it is in a place where the sparks can do no damage, and do not leave it until it is entirely out. Ask an Honorary Member to help. If you have none, ask your big brother or father.

### THE COMMUNITY CHRISTMAS TREE

Almost every large city has a community Christmas tree, and there is no good reason why there should not be one in every rural district. Wideawakes, it's up to you to see that there is one. Take the question up with some of your leading public-spirited men and women, and have every detail thoroughly worked up.

The tree should be a large evergreen, securely put up in a central location. It should be kept lighted and decorated from Christmas eve until the New Year. If you are near where you can get an electric current, have the tree brilliant with red, white and blue lights. If this is impossible, use Japanese and various other kinds of lanterns, and have some powerful lamps with reflectors to throw the light on the tree.

All kinds of Christmas tree ornaments can be hung; and if there are to be gifts for the younger children or for the poor, hang them on the lower branches and distribute them Christmas eve. All this takes a little

HOW SCHOOL SEEMS TO THE SMALL BOY ABOUT CHRISTMAS TIME!

money, but in a case like this a little money goes a long way, and we doubt if you will have much trouble in collecting it.

Teach the children carols and have some folk dances. A Santa Claus should be present; and don't forget to have music. Special celebrations should be held on Christmas eve and New Year's eve. See that the Brotherhood spirit prevails.

We will give $1 to the Wideawake who sends in the best photograph and description of such a community Christmas tree.

On this page are advertisements of school, agents, printing outfits and chewing-gum.

ADVERTISEMENTS

*When you write to an advertiser tell him that you saw his card in The Farm Journal. It is to your interest to do so, as Our Folks are treated honestly and served with the best. Read the Fair Play notice on the first page.*

**MEN WANTED**

Prepare as Firemen, Brakemen, Motormen, Conductors, colored Train Porters. Standard Roads. No experience necessary. Uniforms and Passes furnished. Write now. Name position you want.

I. Railway, C.I., Dept. 31, Indianapolis, Ind.

**I Print MY OWN**

Cards, circulars, book, paper. Press $5. Larger $15. Rotary $60. Save money. Print for others, big profit. All easy, rules sent. Write factory for catalogue presses, TYPE, cards.

THE PRESS CO. D-26, MERIDEN, CONN.

**AGENTS $6 a Day**

Should be easily made selling our Concentrated Non-Alcoholic Food Flavors, Soaps, Perfumes and Toilet Preparations. Over 100 kinds, put up in collapsible tubes. Ten times the strength of bottle extracts. Every home in city or country is a possible customer. Entirely new. Quick sellers. Good repeaters. Not sold in stores. No competition. 100 per cent. profit to agents. Little or no capital required. Elegant sample case for workers. Start now while it's new. Write today—a post card will do—for full particulars FREE

AMERICAN PRODUCTS CO., 8179 Third St., Cincinnati, O.

**WRIGLEY'S**

*The Perfect Gum*

*Always With You*

**Going back home from town carry a box of *WRIGLEY'S* with you. Then you'll have it always handy.**

**Two delicious flavors**

**Sealed tight—kept right**

WRAPPED IN UNITED PROFIT-SHARING COUPONS

**It quenches thirst, refreshes mouth and throat, aids appetite and digestion. A boon to smokers—it makes the next pipe or cigar taste better.**

**Send for the Wrigley Spearmen's quaint Mother Goose Book in handsome colors, free. Address Wm. Wrigley Jr. Co., 1411 Kesner Building, Chicago.**

***"Chew it after every meal"***

## OUR YOUNG FOLKS

*I think the morning's pretty long,*
*Especially in school;*
*An afternoon has time enough*
*To suit me, as a rule.*
*But evenings, they are always short,*
*In winter, spring, or fall;*
*And any time of year I like*
*The evenings best of all.*

Teacher: "Does your uncle keep a dairy, Mary?" Mary: "Oh, he has just a few cows, and two of those are only empty ones, but they come to the barn with the others every time."

The four-year-old twins who had no playmates of their own age, were delighted when a little girl came to visit them. After they had played a while, the twins, hand in hand, went to their mother and asked: "Mother, where is the other one of her?"

*A Christmas Tea-Party*

"The insides of us," writes Johnny in his composition, "contains a fibbing bone, a wish bone, a coff pipe, a thoracts, a diagram artilleries, a sarcophagus, a lights, liver, bacon, tripe, vic tils, muscular rheumatism, a nervous cistern and an abomonation."

### BRAIN BOTHERS

I. Transposition:

The man who prefers gas as a light
Oft ONE candles made of TWO white.
*Pennsylvania.* BOB O'LINK.

II. Anagram:
(Familiar address)
IT HARD BRAINY STUNT. I, CLEAN WOMAN, LABOR HERE.
*Connecticut.* ADABBA.

III. Word Changes:

I'm of little importance, so off with my head,
To a foe I might then be the terror and dread;
Decapitate twice and reverse what remains,
And lo! you're a wandering sprite for your pains.
*Pennsylvania.* SERENE.

IV. Square:

1. An imbecile. 2. The wild dog of Australia. 3. A device for making dots or lines with ink on a recording instrument. 4. Moldings. 5. A gadoid fish.
*Maine.* OLD FOGY.

V. Charade:

ONE TWO this place so I can be
Near to my COMPLETE and thee.
*Iowa.* IOWA MAID.

PRIZE OFFERS: Best list of solutions, a book. Other correct solutions are recorded, and twenty-five brings you a book. Each original puzzle, when published, counts three. Send answers before December 31st, to Aunt Clara, Editor Brain Bothers, Hawley, Minn.

ANSWERS TO OCTOBER PUZZLES

I. Often. II. Fizzle, jimjams, bonanza, picayune, shebang, skedaddle. III. Date, Dante. IV. Mr. and Mrs. Jones each have a child from a previous marriage. They marry and raise two more, making three apiece, although only four. V. Least said is soonest mended. A stitch in time saves nine.

SEPTEMBER PRIZE WINNERS

Best list, P. Chinn. Twenty-five solutions: Cris, F. I. Dont, Fleming, Marigold, Meno, Palea, Salome and Uno.

### NATURE STUDY

Flying squirrels were the inventors of the aeroplane. Ages before men thought of how to fly they had practised it. When these aeronauts leap from the top of one tree to another fifty yards away, they make a curve upward at the end so as to land among the branches. There is a fold of skin along their sides which they can extend like wings by spreading their legs wide, while they can turn at sharp angles, when flying, the tail being held out stiffly and seeming to serve as a rudder. Flying squirrels are night folk, sleeping during the day, and awaking, very active, in the evening. Often they take possession of an abandoned woodpecker's nest, or any other "hole to rent" high up in a tree. They like one under a branch where it is not too visible, and line it with fine moss.

At Warsaw, in Poland, an annual goose fair is held before Christmas. Thousands of geese are driven there from all over the kingdom, and as some of them have to come a great distance, even as far as 150 miles, and sometimes over rough roads, their feet would be likely to get very sore unless they were protected. They are shod for the journey in a curious way, being made to walk back and forth for a time in melted tar, hot enough to stick but not to burn. Then they are driven over a sand heap and the result is quite a good pair of shoes that will last till the journey's end.

### FOR THE YOUTHFUL ORATORS

*To Learn and Recite at School*

### WAIL OF THE YOUNGER BROTHER

BY DAISY M. MOORE

I tell you I have had enough
Of Bobby's second-handed stuff!
He's one year older, and you see
The things he's through with come to me.

To have his clothes is bad, of course;
But say, a fellow hates it worse
To hear no matter where he goes,
"He surely has his brother's nose!"

Even the spankings that he got
Have somehow fallen to my lot!
It makes me scorchin' mad, all through,
I never get a thing that's new!

# MEN—

## Put a Maytag Washer in Your Home This Christmas

Again the spirit of the Gentle Prince wells in the heart of mankind and touches all with its potent tenderness.

Again the age-old problem of what to give ruffles the serenity of the season. Yet the problem is not difficult of solution. As the tendency today is gifts of practical, permanent worth, nothing would be more acceptable, more appreciated by Wife and Mother than a

**Maytag**
**Multi-Motor Washer**
WITH
**Swinging Reversible Wringer**

It's a gift that becomes a permanent utility in the home through constant, unvarying service. To it can be entrusted the dainty garments and linens that require real care in laundering.

### SAFE—SIMPLE—THOROUGH

It's absolutely safe—simple—and thorough in its work. Its wonderful little engine operates on gas or gasoline—starts instantly with a slight pressure of the foot. It has a belt wheel that enables it to run a churn—ice cream freezer—cream separator—bone grinder—any small machinery, while washing and wringing, if desired.

***Sold Under a Positive Three Year Money Back Guarantee.***

**MEN!** We want you to know more about the Maytag. So let us send you a "*Maytag Laundry Manual*". It is absolutely free, and we feel sure it will prove that the Maytag is the ideal Christmas gift. We can arrange to make delivery at date and place desired. As Christmas is only a little way off, *write now.*

**THE MAYTAG CO., Dept. 84, Newton, Iowa**
***Branches and Warehouses in Most Principal Cities.***

There is a Maytag Washer of every type—hand—power driven—electric—all built to the enviable Maytag Standard.

*DEALERS:* Our proposition will interest you. Write! 25

He's given me pants and shirts and caps,
And shoes and ties and outside wraps;
My knife and ball are second-hand—
But now it's more than I can stand!

He's had the chicken-pox real bad,
A million, anyway, he had;
And since he's through with them, you see,
He's giv'n them every one to me!

### FOR CHRISTMAS

BY GRAYDON GRAY

Arthur is an artist
And got a painter's kit.
Bobby is a boy scout
And got a camp outfit.

Susy is a dresser
And got a stylish sack.
Father is an author
And got a story back.

Billy is a youngster
And got a humming top.
Mother is—just mother—
She got a patent mop.

### YOUNG FOLKS' SKETCH CLUB

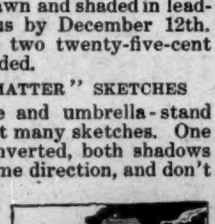
*Object: To Train the Eyes and Hands of Our Children. To Join: Send a Sketch of the Month's Special Subject*

DEAR MEMBERS: One of the hardest things to draw is a circle in perspective, such as the top of the glass in our "A Glass of Water" contest. It takes much practise and we were greatly pleased with your efforts. Frequently draw this subject, keep all your trials and see how you progress. The prizes were awarded as follows: First, Astrid Okerlund. Second, Genevieve Fusch. Third, Ethel Hubert. Honorable mention: Edna Dew, Edgar F. Oldson, Laura Burbeck, Gertrude Behre and Harold Glidden. Special subject for December, "A Dish of Fruit." Don't try to make it too elaborate. Sketches must be from nature, drawn and shaded in lead-pencil and reach us by December 12th. One fifty-cent and two twenty-five-cent prizes will be awarded.

*Sketches by Our Club Members: 1. Astrid Okerlund, New Jersey. 2. Genevieve Fusch, Missouri. 3. Ethel Hubert, California. 4. Edna Dew, Virginia*

"WHAT'S THE MATTER" SKETCHES

The clothes-tree and umbrella-stand subject brought out many sketches. One of the hooks was inverted, both shadows should be in the same direction, and don't you think the place for an umbrella is in the umbrella-stand? Certainly.



Prize was awarded to Jules Carrett, Jr., of New York. Honorable mention: Joseph Bailey, New Jersey; Delia Gag, Minnesota.

Here is the new subject. What's the matter with it? Twenty-five cents will be awarded to the one who sends in by December 12th the best corrected copy enlarged to three inches high. Draw in pencil or ink.

Christmas greetings to all our members. Send all sketches to Young Folks' Sketch Club, THE FARM JOURNAL, Washington Square, Philadelphia, Pa.

### KNOW THE TREES

It adds interest to country life to be well acquainted with animals, trees and flowers. The more you find out about them the better you will like them. But if you don't know them do not pretend that you do, like a young girl did who was walking with a young man whom she knew to be fond of nature. Wishing to impress him by her sympathy with his tastes, she expressed great interest and delight when he pointed out to her some fine trees. "How the aspect of a noble tree stirs the keenest emotions of the soul!" she exclaimed. Then patting a great trunk, she added, "You superb oak, what would you say to me if you could talk?" "He would probably say," remarked the young man, "I beg your pardon, miss, but I am a beech."

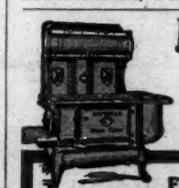
On this page are advertisements of school, stoves, light, typewriters and kitchen cabinet.

*ADVERTISEMENTS*

*When you write to an advertiser tell him that you saw his card in The Farm Journal. It is to your interest to do so, as Our Folks are treated honestly and served with the best. Read the Fair Play notice on the first page.*

**LEARN MUSIC At Home!**

SPECIAL OFFER — EASY LESSONS FREE — Piano, Organ, Violin, Banjo, Mandolin, Guitar, Cornet, Harp, Cello, Clarinet, Piccolo, Trombone, Flute, or to sing. You pay only for music and postage — which is small. No extras. You learn by note. Beginners or advanced pupils. Plain, simple, systematic, 16 years' success. Start at once. Send your name and get free booklet by return mail. Address U. S. School of Music, Box 148, 225 5th Ave., N. Y. City.



**Factory Prices Save $5 to $23**

**Freight Paid—A Year's Trial**

Save from $5 to $23 by buying direct from factory. 55 years' reputation back of every stove. Our long experience and big output gives you a better stove or range at less cost.

**Gold Coin Stoves and Ranges**

Use one for a year—money refunded if it doesn't prove absolutely satisfactory. We pay freight, guarantee safe delivery and send every stove ready to set up. Big Free Catalog—Send for it now. See why improved features of Gold Coin Stoves help you save fuel and bake better. Write today.

GOLD COIN STOVE CO., 9 Oak St., Troy, N. Y.

**Rent or Buy**

Five Year Guarantee

**Sensational Typewriter Offer**

Everyone needs a typewriter. Write quickly, legibly. Keep carbon copies—save arguments and law suits. Earn extra money typing manuscripts, writing scenarios with the acknowledged leader

**UNDERWOOD Standard Visible**

Unusual value. Must be seen and used to be appreciated. Let us send one on approval. If you find slightest thing to criticize, return it at our expense after

**10 Days' FREE Trial**

Machine must sell itself on merit. You can *Rent*, applying rental on purchase price or *Buy* for cash or easy payments

**At Less Than Half Price**

Write for information about Big Offer No. 32

Typewriter Emporium, Chicago, Ill.
150,000 Satisfied Emporium Customers — Est. 24 years

**WHITE FLAME**

BURNERS make your old kerosene lamps and lanterns give a brilliant white light better than electricity or gas. Doubles your light. Saves oil. No Wastle to Break. Guaranteed Safe and Reliable. Delights every user. Send now for complete sample postpaid 25 cts., stamps or coin. 5 for $1. Money Back if Not Satisfactory. Live Representatives Wanted. Exclusive Territory. WHITE FLAME LIGHT CO., 62 Clark Bldg., Grand Rapids, Mich.

48 Pages Beautifully ILLUSTRATED

***Write for Free Catalog of***

**HOOSIER Kitchen Cabinets**

**Save Miles of Steps—Save Hours of Time—Cut Kitchen Work in Half**

Don't tramp! tramp! tramp! back and forth from cupboard, pantry, stove, cellar, table and sink—six times a day, before and after meals. That's the hard, exhausting part of kitchen work. Stop it!

A million of your sisters have rebelled at such drudgery and now sit down restfully at the Hoosier when they prepare a meal.

You, too, have a right to this life-time kitchen helper. It keeps your food supplies and cooking utensils at your fingertips. It has places for 400 articles *all within arm's reach!*

Forty labor-saving inventions make the HOOSIER the greatest time-saver, step-saver and strength-saver ever built to cut down women's work.

**$1 Puts the Hoosier in Your Kitchen for Christmas**

If you are satisfied, pay the balance—$1 a week—*only 5c a meal!*

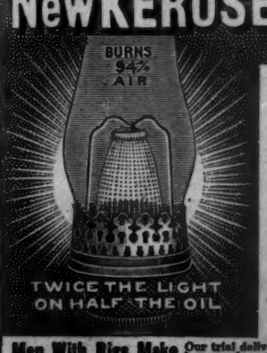
**Write today** for free illustrated catalog and see the beautiful new models ready for Christmas delivery. Address

HOOSIER MFG. CO.
1612 Fair Street, New Castle, Ind.

Get Our Freight Paid, Free Trial, Money-Back Offer

**New KEROSENE LIGHT BEATS ELECTRIC OR GASOLINE**

10 Days FREE—Send No Money




**We don't ask you to pay us a cent** until you have used this wonderful modern white light in your own home ten days, then you may return it at our expense if not perfectly satisfied. You can't possibly lose a cent. We want to prove to you that it makes an ordinary oil lamp look like a candle; beats electric, gasoline or acetylene. Lights and is put out like old oil lamp. Tests by U. S. Government and 34 leading Universities show that it

**Burns 50 Hours on One Gallon**

common kerosene (coal oil), no odor, smoke or noise, simple, clean, won't explode. Three million people already enjoying this powerful, white, steady light, nearest to sunlight. **Won Gold Medal** at Panama Exposition. Greatest invention of the age. Guaranteed.

**$1000 Reward** will be given to the person who shows us an oil lamp equal to the new **Aladdin** in every way (details of offer given in our circular). We want **one user in each locality** to whom we can refer customers. To that person we have a special introductory offer to make, under which one lamp is given **free.** Write quick for our 10-Day Absolutely Free Trial Proposition and learn how to get **one free.** **Yours FREE**

MANTLE LAMP COMPANY, 108 Aladdin Building, CHICAGO, ILL.
Largest Kerosene (Coal Oil) Mantle Lamp House in the World

**Men With Rigs Make $100 to $300 Per Mo.**

Our trial delivery plan makes it easy. No previous experience necessary. Practically every farm home and small town home will buy after trying. One farmer who had never sold anything in his life before writes: "*I sold $1 the first seven days.*" Christenson, Wis., says: "*Have never seen an article that sells so easily.*" Norrie, Iowa, says: "*25 per cent of home visited bought.*" Phillips, Ohio, says: "*Every customer becomes a friend and booster.*" Kemerling, Minn., says: "*No agency talk necessary. Sells itself.*" Thousands who are coining money endorse the Aladdin just as strongly. NO MONEY REQUIRED. We furnish stock to reliable men to get started. Ask for our distributor's plan, and learn how to secure an appointment and make big money in unoccupied territory. State occupation, age, whether you have rig or auto; whether can work spare time or steady; when can start; townships most convenient for you to work.

## FAMILY DOCTOR

BY F. W. ST. JOHN, M. D.

*[Medical inquiries from Our Folks may be submitted and will be answered in the paper, each in its turn, if of interest to the general reader; but there will be so many questions that printed answers may be long delayed. Those who want an immediate reply by mail should remit one dollar, addressed "Family Doctor Department," this office.]*

VITAMINES are basic organic substances found in foods, and are necessary to proper nutrition. Exposure to heat, as in ordinary cooking, does not destroy them. They exist in small amounts in most foods, especially in legumes, fruit juices, fresh vegetables, the outer coats of grains, eggs, fresh meat and milk, yeast, butter oil and cod-liver oil. Denatured foods, cured meats, white flour, polished rice, pure starch, casein, canned foods long kept, etc., are largely devoid of vitamines. Many investigators have shown that a certain content of vitamines is necessary to nutrition, an unbalanced diet being productive of interrupted growth and various other disturbances of the system. Scurvy, rickets, pellagra, scrofula and beri beri, are deficiency diseases in man. Many diseases are aggravated and recovery retarded by food deficiency—a deficiency of actual nutritive substances and of vitamines. Calories are not the whole of diet; a certain vital element must be present also. Nature, not the chemist, must balance our rations. Fortunately, the symptoms caused by vitamine starvation are readily corrected if taken in time. Cod-liver oil, fresh milk, the yolks of raw eggs, fruit juices and unsalted butter, are admirable, while active yeast is particularly so.—From The Medical Council, September, 1916.

Modern methods of preparing natural foods have robbed them to a large extent of their vitamine content, and we believe that such methods are very much to blame for the weakened physical powers in persons who live too artificially. Nature put the coating on the kernels of wheat and rice for a purpose, and when it is removed the vitamine content is largely removed also. Don't be afraid of bread made from real whole wheat, of rice that has little brown specks on the kernel; and don't, so far as possible, live on a canned diet. The farmer can have food in its most natural condition and has the least excuse for an artificial diet.

### FOOT NOTES

A good warm-water bath for the feet every night before going to bed will help you to get to sleep.

Folks who overeat, overwork the liver, and thus poison the entire system, are little better than the man who is intoxicated with liquor.

Cheap gray enameled ware has been found to contain considerable quantities of antimony, which in cooking certain foods is liberated and is a poison. Buy only the better grades of this ware and be on the safe side.

It has been found by experimentation that natural ice from reasonably pure sources is quite free from bacteria. Most of the dangers from ice come from unclean handling, unclean refrigerators, etc. The longer ice is stored the freer from bacteria it becomes. Other things being equal, natural ice is superior to artificial ice.

The increase of late years in tobacco smoking has been accompanied by an increase in the number of cases of cancer of the mouth. This does not necessarily mean that tobacco per se causes cancer, but it does mean that continued irritation of the mouth and lips from a hot pipe may be the "exciting" cause of the cancer.

This year, as for some years past, there will be on sale throughout the country the Red Cross Christmas Seal, put out by the National Society for the Prevention of Tuberculosis. If you are going to buy any pasters of any kind to place on your Christmas presents, buy these. If you are not going to give presents, buy the seals and use them on the backs of letters. Many a poor sufferer is helped every year by the money from the sale of these seals.

It is claimed that certain chemical preservatives, coloring matters, etc., are harmless from the fact that they are only taken into the system in minute quantities. Here is what one of the most eminent authorities in the world has to say on this interesting subject: "The majority of diseases with which mankind is afflicted, creep in through the accumulated effect of successive slight irritations, by the operation of apparently insignificant factors which are just sufficient to take part in some chemical reaction."

A bulletin of the Illinois Steel Company suggests, if a man with a family must have booze, that he buy a gallon at wholesale and give it to his wife. She can retail it to him at ten or fifteen cents a drink. From this profit she can buy another gallon and save some money. After about ten years of this he will probably be dead from alcoholism and she will have saved enough to bury him, besides clothing herself, and can marry a decent man and forget all about him.

During the past widespread epidemic of infantile paralysis the germ causing the disease has been isolated and grown in cultures. It has also been definitely proved that the disease may be communicated by direct contact, by carriers, by infected food, etc. It is but another lesson to the public that sanitary measures should be carried out at all times, both personally and by municipalities, as all such diseases usually get their start in localities where such measures are not properly carried out.

### WHEN CHRISTMAS COMES

BY HELEN M. RICHARDSON

Christmas comes when skies are gray
And the birds have flown away,—
All except the chickadees
And the juncoes; we feed these.
On the window-sill they stand
And take food from out my hand.
If they come on Christmas day
They will not soon fly away,
For a dinner will be there,—
Plenty, and a lot to spare.

A fresh, new ribbon for your Teeth—and it's always

COLGATE'S
RIBBON DENTAL CREAM

This is the ribbon that makes the smile beautiful, that keeps the teeth naturally white and clean—that fights decay. *Write Colgate's Ribbon Dental Cream* at the top of your list of things to get in town.

COLGATE & CO.,
Department 88 199 Fulton Street, New York

Makers of Cashmere Bouquet Soap—luxurious, lasting, refined. A new size at 10c a cake.

*Sold everywhere—or a trial tube sent for 4 cents in stamps.*

## SAYINGS AND DOINGS

*"Hot-air dryer? My, that's fine!*
*'Twould save much work," said*
*Mrs. Howell.*
*"I need one for that boy of mine*
*Who washes mostly on the towel."*

[A new electric machine forces a current of hot air on to the wet face or hands, taking the place of a towel.]

When you have a picture taken of the old home, have a copy finished for every member of the family, young and old.

Children should bring their books home more to enable parents to keep in touch with their progress than for purposes of cramming and studying.

The deepest rivers flow with the least sound.

Habits at first are cobwebs and at last chains.

Repairing never can take the place of caring.

Get after any eaves-spouts that need repairing before the winter storms come on.

Some snapping cold weather at hand. Have you a thermometer down cellar? It may save your nice bin of potatoes.

To feed man or beast more than is needed and can be well taken care of, is to waste that food and undermine health at the same time.

If you can't afford to send a present or a card to that distant friend or relative, you can at least send him or her a letter filled with the holiday spirit.

Study some new book on farming this winter. Begin any time now. The evenings will go better if the book-work is combined with a nice rosy-cheeked apple now and then.

Before snow gets deep in the woods go around and make an axe mark on the trees that might as well be cut for wood. The same thing with lumber trees. Saves time and leg-muscle.

Sort over the old scrap-heap, pick out all pieces of steel and iron that are fit to use, and turn the rest into money. It will give you more room and help to buy a nice new cultivator.

It puts new life into the grass about the house to spread well-rotted manure over it late in the fall. You can do it now if you did not get to it earlier. Then in the spring it may be raked off.

A squeaking wheelbarrow and a clock that will not go are worse than a sore thumb to get along with. A drop of oil will cure them both. Take time to apply it, and do it before the trouble begins.

When walks are icy, heat some of the chopped cork in which grapes are packed, or some small pebbles or sawdust, and drop it on the walk. It will melt the ice just enough to stick, and will prove much cleaner than ashes.

It hurts when the hay-baling disease gets into a neighborhood. Makes us sorry to see so much hay put up and shipped out, for that means so much taken right out of the life of the farm. Let your cattle do your baling for you.

Clean the floors after the thrashers have gone from your barn. Empty the bags before night so that no mice can gain shelter in them and be transported to the granary. Raises hob to get even one of the pests in the grain room.

Did you ever notice that the richest man in your community has a host of friends who fawn on him and curry the favor of his wife and daughters, while a more deserving poor man and his family are snubbed and given a good letting-alone?

**$635 Overland**
**Fully Equipped**

# I Am Going to Give Away Two More Automobiles

on February 17, 1917. In the past five months I have given away six automobiles and a variety of other rewards which have exceeded $6,000 in value. All of this I have done because we are determined to have a Million subscribers this year. We are pretty close to it now and a little extra help from a few of Our Folks will get us there. However, I do not expect people to work for nothing, and so I am going to give these splendid rewards to those who get me subscriptions.

This is the time of year when everybody thinks about renewing old, or taking out new, subscriptions to magazines. Right in your own neighborhood there are lots of Our Folks whose time expires with this issue, and who will renew in the next two months. You can get them to give their subscriptions to you if you try. A renewal subscription counts toward these automobiles just the same as a new one. You had better send me the coupon so I can tell you *all* about it.

**$1500 in Rewards**
[Delivered through your local dealer.]

1st—$635 Overland.
2d—$360 Ford.
3d—$185 Indian Motocycle, or $185 Piano.
4th—$75 Diamond Ring.
5th—17-jewel Elgin Gold Watch.
6th—15-jewel Elgin Gold Watch.
7th—61-piece Chest of Silver.
8th—$15 Victor Talking Machine.
9th—7-jewel Elgin Gold Watch.
10th—42-piece Dinner Set.
11th—42-piece Dinner Set.
12th—Eastman Folding Kodak.
13th—Eastman Folding Kodak.
14th—31-piece Dinner Set.
15th—31-piece Dinner Set.

## The Overland

which I am going to give as the greatest reward is the latest 1917 model, fully equipped, including electric starter and lights, one-man top, etc. As the next highest reward I am going to give a 1917 Ford Touring Car. It is hardly necessary to say anything about this popular car, but in case you haven't seen the 1917, I'll say that it has a streamline body, crown fenders, electric lights and electric horn. At the left are listed the other rewards I am going to give, and all for just a little help from just a few of Our Folks.

Only a few of Our Folks will answer this advertisement, and only a few of them are needed, but *you* should make up *your* mind now to be one of the few. Cut out and mail me this coupon right away. You know the fewer that enter the greater will be your chance. I am surely going to give away those two cars on February 17, 1917, and it rests with you whether I give one to you or to some one else.

## GUARANTEE

TO OUR FOLKS AND OTHER FRIENDS:—We guarantee that these two automobiles and the other rewards, precisely as described, will positively be given away on February 17, 1917. Every person who tries for these rewards will be given exactly the same fair and square treatment as every other. No special information or privileges. No one connected with The Farm Journal, and no one from Philadelphia or any other large city, will be allowed to compete. The rewards are offered to country people exclusively. Our 40-year reputation and entire financial responsibility stand back of these statements.

WILMER ATKINSON COMPANY.

**Mail the Coupon for Full Details——→ —SEND NO MONEY**

CUT OUT AND MAIL—DO IT NOW

Mail me the coupon now, to-day. You have everything to gain and nothing to lose. Just as soon as I receive it, I'll mail you full details of my plan, my auto book which gives full descriptions of both the cars, and a surprise that will help you to become the owner of one of these splendid rewards. Mail the coupon—you cannot know all the features of my plan unless you do.

Don't send me any money—not even a postage stamp, but mail the coupon before you forget it.

**The Reward Man**
**The Farm Journal, Philada., Pa.**

The Reward Man
The Farm Journal
Philadelphia, Pa.

Please send me full information about the automobiles you are giving away. The signing of this coupon does not obligate me in any way.

*Name* _____

*P. O.* _____

*State* _____ *R. F. D.* _____ *Box* _____

*What is the use of using your Sunday-go-to-meeting tone to the folks who call, and growling like a sore-headed dog at the dear ones in your home? Looks as if they were not very dear, doesn't it? Let's quit this, brethren.*

The best way to fight rats is to close up all places about the buildings with cement. Tar in their holes is good. Make it unpleasant for them, and they will scamper away.

When working around in the woods, keep your eyes open for little trees that can be taken up in the spring and set out along the road. If your memory is a bit short, mark the trees or write down their location.

If you are insured in a farmers' cooperative association, don't get hasty and pull out because last season's rate was high. It may be many years before we have so many thunderstorms as we had a year ago. Half-way across a stream is a bad place to jump overboard.

Who wrote "Ten Acres Enough"? This is a moot question. A friend writes that the authorship was claimed by Edward Morris, of Burlington, N. J. Morris told P. Sutton that he tried in vain to get several publishers to print it and finally sold the MS. for a mere song.

Pins will lose their strength after a few years of use in the bob-sleds. Sometimes when a fellow has a good big load on, away will go the pins and he is flat, maybe miles from home and no axe to make more. Good plan to look the pins over before such a breakdown comes, and replace such as are getting weak.

When you want a butcher-knife that is a knife, go down to the barn and hunt up a piece of an old wagon or carriage spring; take it to the best blacksmith you know and have him make it into the thing you need. You can make the handle yourself. Take time and a good piece of ash or hickory and make one worth while.

I have found out to my sorrow that when I buy cheap things I get cheap things. The screw-driver I paid ten cents for turned around at the point the first hard job I tried to do with it. The scissors that cost me a dime never had much edge on the blades, and half an inch soon came off one side. If we want things that will stand the racket we must pay the price for them. E. L. V.

Never before in agricultural history would a manure shed pay for itself so quickly as to-day. Chemical analyses made during five years at the Ohio Experiment Station show that barnyard manure loses about one-half its potassium, one-third its nitrogen and one-fourth its phosphorus when exposed to the weather for three winter months. At prices prevailing before the European war the fertility constituents in a ton of manure would be worth about $2. The loss by leaching, three months, would then amount to about eighty cents. At the present cost of potash the loss would be nearly $2 from this material alone. A shed to store the manure should pay for itself this winter.

Bertrand, Mich., has a very successful Social Center Club, with the schoolhouse as the meeting place. During the first year (1913) the Club bought and paid for a new piano and a gasoline lighting system. Shade trees were planted along the highway, good roads promoted, and an undenominational Sunday evening song-service started. Educational talks by authorities on subjects of common interest are features of the monthly Club meetings. Needed funds have been raised by socials and popular subscription. A spirit of uplift, community betterment, and "boosting for Bertrand," has resulted from these activities. A while ago an outdoor Historical Pageant was successfully produced by local talent, and 3,000 people came to see it and, incidentally, awoke to a new interest and pride in local historical lore. Miss Alice North, R. F. D. 6, Niles, Mich., is secretary of the Club.

By the parcel post system we got so many large packages that our ordinary mail-box would not contain, that it soon became a question of a larger box. Funny that the government does not provide for patrons a box of sufficient size to hold securely all packages. Well, we provided for ourselves and a neighbor who also lives some little distance from the route corner, a box in the shape of a steel drum, a cracker canister, which we painted bright yellow, lettered with "U. S. Parcel Post," our own names and route number, with post-office address, and put it up along with our regulation mail-boxes. Upon the top we placed an automatic signal which tells our carrier when we have placed a package within to be taken away, and also signals us when he places a package in it for us. We find the arrangement so very convenient that we wish all Our Folks to know about it.

*Hancock Co., O.* G. W. BROWN.

On this page are advertisements of puzzle, typewriters, bicycles, shoes and shoe soles.


*ADVERTISEMENTS*

*When you write to an advertiser tell him that you saw his card in The Farm Journal. It is to your interest to do so.*

**MAGIC CIRCLE PUZZLE.**

Best puzzle out. Fascinating. Entertaining. Instructive. For young and old. Price, ten cents, postpaid.
A. K. RANKIN, 1018 N. Main St., DAYTON, O.

**WOULD YOU**

show this standard high grade 4‡ key fully visible typewriter to your friends and let them see wherein it excels any $100 typewriter, if by doing this and other small assistance, you could easily have one to keep as your own? Then by postal card or letter simply say, "Mail Particulars."
WOODSTOCK TYPEWRITER CO., Dept. 0585, CHICAGO, ILL.

**OVERLAND ALUMINUM SHOES**

Sizes 1 to 13 Heights 6 to 17 in.

Save Money and Prevent Sickness

Water-Proof, Rust-Proof, Rot-Proof. Warm in winter, cool in summer. Weight about the same as an all-leather work shoe. Will outwear several pairs of leather, rubber or wood soled shoes. No metal touches you. Thick felt insole. Comfortable to wear. Keep the feet in good condition. Best by test for all work in any weather. MONEY BACK if shoes do not meet with your approval. Write for FREE catalog which shows styles, gives prices and tells how to order. A postal brings it.
OVERLAND SHOE CO., Dept. 28-A, Racine, Wis.

**THIS 1917 Model Ranger 30 DAYS Free Trial**

**EXTRAORDINARY OFFER**—30 days one month's free trial on this finest of bicycles—the "RANGER." We will ship it to you on approval, *freight prepaid*, without a cent deposit in advance. This offer is *absolutely genuine*.

**WRITE TODAY** for our big catalog showing our full line of bicycles for men and women, boys and girls at *prices never before equaled* for like quality. It is a cyclopedia of bicycles, sundries and useful bicycle information. It's free.

**TIRES, COASTER-BRAKE** rear wheels, inner tubes, lamps, cyclometers, equipment and parts for all bicycles at *half usual prices*. A limited number of second hand bicycles taken in trade will be closed out at once, at $3 to $8 each.

**RIDER AGENTS** wanted in each town to ride and exhibit a sample 1917 model **Ranger** furnished by us.

**It Costs You Nothing** to learn what we offer you and how we can do it. You will be astonished and convinced. Do not buy a bicycle, tires or sundries until you get our catalog and new special offers. Write today.
MEAD CYCLE CO., Dept. T-48, CHICAGO, ILL.

**For Work—for Wear For Looks that Last: Neōlin!**

From the wooden rake to the modern type of hay-loader is a far step.

Yet it is no greater than that between the old-fashioned leather sole and Neōlin, the modern sole.

For between Neōlin and the leather tread is exactly the difference between something which wears *long* and something whose wear you cannot count upon.

Neōlin! It is a new *sole material* created by Science for *wear*. Wear quality that will stand under the roughest work, and over the roughest road. Wear quality that has tied to it *water-proof-quality*, for sloppy cow-shed or miry field.

Water-proof-quality that is in turn tied to flexibility for full, good measure!

That is why Neōlin is called the natural tread when it is not called *the tireless tread*. Neōlin is foot-resting and fatigue-saving right through the working day. And Neōlin looks, not even the women-folk can question.

Neōlin comes for men, women and children. Retailers and shoe repairers have Neōlin or can get it at no added cost to you; but beware of imitations. Better *mark* that mark; stamp it on your memory: Neōlin—

—*the trade symbol for a changeless quality product of*

The Goodyear Tire & Rubber Co.
Akron, Ohio

Neōlin

*Trade Mark Reg. U.S. Pat. Off.*

Better than Leather

## ODD MENTION

*"Outside fall the snowflakes lightly,*
*On our hearth the fire glows brightly."*

It is not worth while to work yourself to death to make a living.

The man who knows it all—how the neighbors seek to avoid him!

What's the use of wasting a hundred words when ten will express your meaning?

Judging from the names some children bear, their mothers had the dime novel habit.

Bring out the old bootjack from the musty past and use it to pull off your rubber boots. I. R.

The love of emulating is of more effect than the punishments and restraints of the law. TACITUS.

Simply because your neighbor is a good cook is no reason why you should "happen in" just at meal-time so often.

When you're looking for slights you won't have to be on the lookout long before you will see them on all sides.

Your initials on grain bags and other things about the farm furnish better evidence of ownership than anything you can say.

The advertisements in this paper are not put in "just to fill up," but they are for you to read. Rest assured they are genuine.

Harry Mahan, of Covel, has bought a cow and is now supplying his neighbors with butter and fresh eggs.—The Lincoln (Ill.) Star.

On the farm there should be at least one axe that is always kept sharp. When it is not in use, set it away where it can be found quickly when needed.

When you buy an automobile don't try to advertise the fact by speeding or running races. You may come out of the wreck a life-long cripple, even if you are not killed outright.

When you're feeling plumb discouraged, and it seems as if things couldn't be any worse, then is the time to take heart, for when the change takes place it must be for the better.

Get the help into the habit of chalking down on that barn blackboard the odd jobs that need attention. Then when stormy weather arrives, see how many of these entries can be wiped out.

After quite a tussle with rats and mice we fixed them by filling their runways with pounded glass and cement. That gave them the toothache, and maybe the stomach-ache at the same time.

Have you been envying your city friend because his income is twice as large as yours? Well, the next time you visit him take note of his expenses, and you will find that they are two or three times as large as yours. E. S. T.

*You have all heard of the "caterpillar" tractor, the history-making Yankee invention that has been turned into an engine of war in France. Here is a picture of it. It rides over soft ground and through barbed wire, across ditches, and draws gang-plows in a wonderful way. If we ever have a piece of rough or soft land to clear and work on that Experimental Farm, we shall give the "caterpillar" a try-out, but we shall not encase it in steel or fill it with soldiers and machine guns. But we will give other farm tractors a trial.*

# Pioneer Brands of Rubber Footwear

ONLY daring manufacturers risked the trade-marking of rubber footwear in the early days of the industry. The brands shown here are the most illustrious survivors.

So little was known of the processes by which rubber was made durable, shape-holding and wearable in all kinds of weather, that the men who trade-marked their products simply challenged fate!

They said, "You can depend upon us to make the very best rubber footwear possible; we'll put our trade-mark on them as an evidence of our good intention."

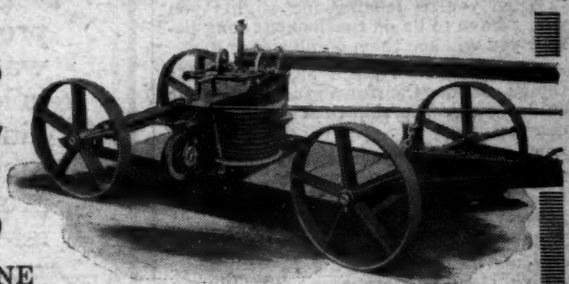
If the rubber footwear you buy bears any one of these trade-marks, you get high-quality, perfect-fitting, good-looking, serviceable rubber footwear. Look for these quality-marks.

**Seventy-four years of successful manufacturing and the experience of forty-seven great factories are back of every pair of rubber shoes, overshoes, arctics, boots, etc., produced by the United States Rubber Company, the largest rubber manufacturer in the world.**

***Rubbers that fit wear twice as long as rubbers that do not fit.***

## United States Rubber Company

# Read How Fortunes Are Made Quick, By PULLING STUMPS



LET ME SEND YOU MY NEW, FINE FREE BOOK at once. I want to show you proof of how you can make $1,281.00 profit on 40 acres the first year and $750.00 every year after, in extra crops and added value of land—by pulling stumps with the Hercules All-Steel Triple-Power Stump Puller—and how you can make *big money in your spare time* by pulling stumps for *your neighbors* or *by renting* your machine at a *nice, fat profit.*

My book shows *actual photographs* and prints *actual letters* from many owners, telling of the remarkable feats of the Hercules—how *it pulls any size stump, green tree or hedge in less than five minutes*—how it easily pulls *an acre a day.* Read how one man increased his land value from $25.00 an acre to $125.00.

Read why the Hercules is the *best investment* you can make now. The

## HERCULES PORTABLE TRIPLE-POWER STUMP PULLER

is the only puller that has the single, double and triple-power features, giving you three machines in one. There isn't a stump, green tree or hedge grown that the Hercules won't pull out without straining or breaking any castings. It's the only low-down constructed puller that has self-anchoring and stump-anchoring features—the only one with double safety ratchets that insure the absolute safety of men and team. I want to send you a Hercules on

### 30 Days' Free Trial

so you can *see how powerful it is* and *how easy it works.* I want you to *know for yourself* that the all-steel construction means 60% less weight and 400% greater strength than any cast-iron or "semi-steel" puller made. Besides that, I want to save you big money on the cost. I'm making a

### Special Price Proposition

to the first buyer in 5,000 different parts of the country. If I get *one* Hercules in each locality *more will surely follow* because of Hercules quality and efficiency. So I can easily afford to sacrifice my profit on the *first* machine in each locality. Take advantage of this big profit and big saving opportunity *now.* Besides my 30 days' free trial offer and money-saving price I give you a

### 3-Year Guaranty

that *means something.* The *all-steel construction, the triple-power* feature that saves your team and gives a tremendous increase of power, the *double safety ratchets* and the careful *turning and grinding of every part*—all these things make it *safe* for us to *guarantee the replacement of any casting of a Hercules that breaks any time within three years, whether it is the fault of the machine or your fault. Could any guaranty be fairer or stronger?*

*Hercules hand-power stump puller—120,000 pounds pull.* If you're thinking of hand pullers ask about the Hercules.

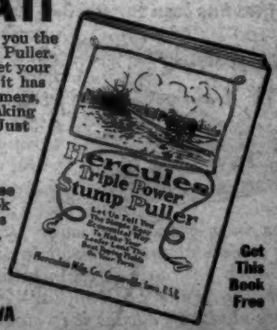
### This FREE BOOK Tells All

Just simply send your name and address on the coupon or on a postal so I can send you the convincing facts about the superiority and efficiency and value of the Hercules Stump Puller. Only 5,000 of these machines will be sold at this remarkable introductory price, so get your name in now. My new book is a beauty. See the real pictures of big stumps it has pulled out as you would pull weeds. Read the many interesting letters from farmers, lumbermen and land promoters. Stumps, stumps, stumps, pulled out quick, making fortunes for owners of Hercules Stump Pullers. I want you to know the facts. Just

### Mail Coupon or Postal Now

I'll send the book and price by return mail. I'll tell you the best crops to raise on virgin land where stumps were before. I simply want to get my free book to you at once, so that you can read the remarkable facts about the Hercules All-Steel Triple-Power Stump Puller and how it does such splendid work, making big profits for owners everywhere. *Mail me the coupon or postal right now,* before you forget, or take down the name and address and write me as soon as you get a postal card. Address me personally.

**B. A. FULLER, President**
**HERCULES MFG. CO., 870 Twenty-Fifth St., CENTERVILLE, IOWA**



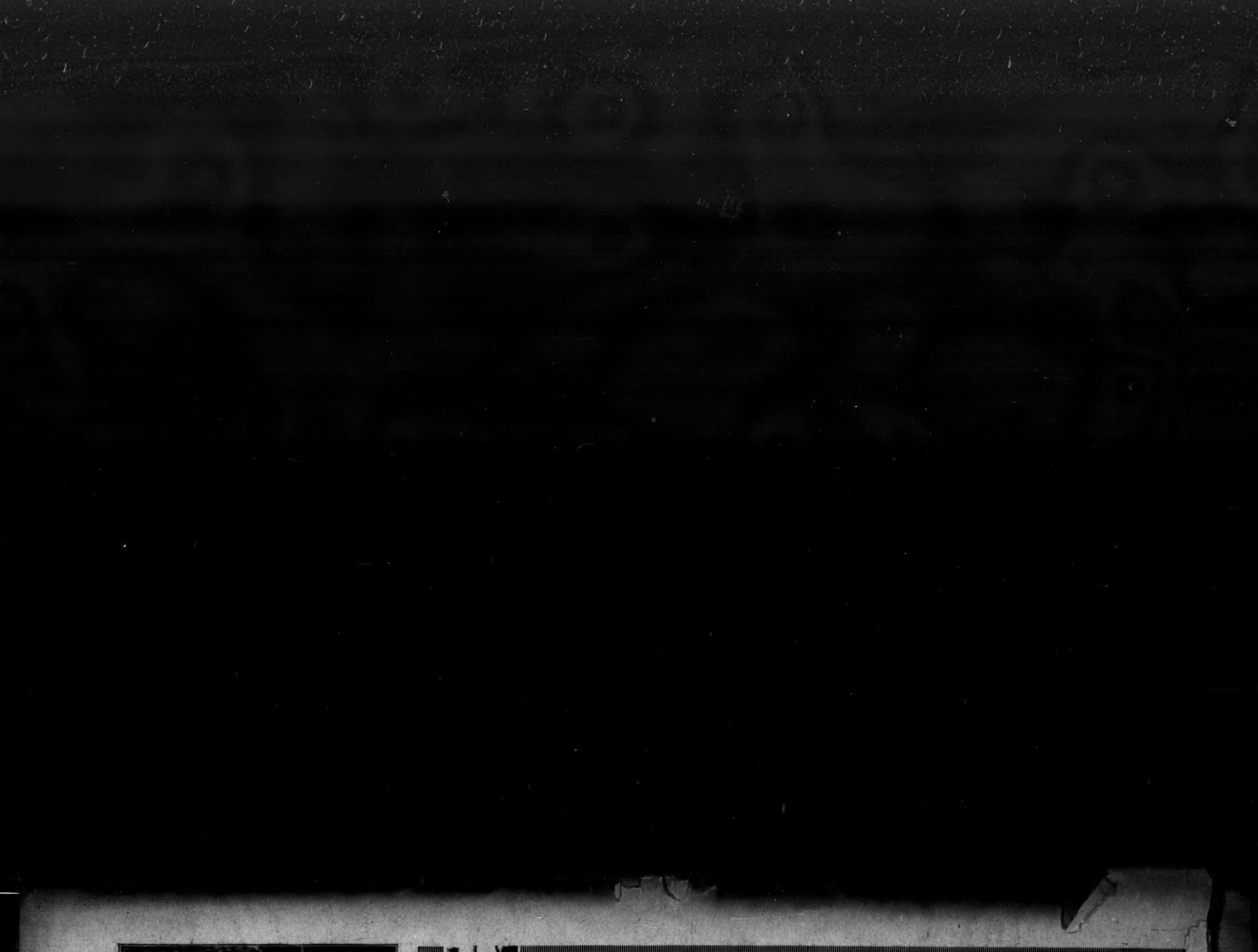

Get This Book Free

**HERCULES MFG. CO.**
**870 Twenty-Fifth St.**
**CENTERVILLE, IOWA**

Dear Mr. Fuller:
Mail me your free book and special price offer on the Hercules All-Steel Triple-Power Stump Puller.

Name.....

.....

P. O.....

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